WEST Search History

DATE: Tuesday, November 25, 2003

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DB=USPT,PC	GPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ	1	
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L21	L19 AND PD<=1995	308	L21
L20	L19 AND PY>=1995	308	L20
L19	L18 AND peptide	308	L19
L18	(SRL OR VLR)	43137	L18
L17	L16 AND homing peptide	9	L17
L16	((530/300 530/350)!.CCLS.)	14558	L16
L15	(530/300,350.CCLS.)	0	L15
L14	L8 AND homing peptide	6	L14
L13	L8 AND home	203	L13
L12	L10 AND Val-Leu-Arg	0	L12
L11	L8 AND VLR	0	L11
L10	L8 AND Ser-Arg-Leu	1	L10
L9	L8 AND SRL	8	L9
L8	(514/2.CCLS.)	5547	L8
L7	Pasqualini-Renata.IN.	28	L7
L6	Pasqualini-R.IN.	42	L6
L5	Pasqaulini-R.IN.	0	L5
L4	(Pasqualini.IN.)	192	L4
L3	Ruoslahti-Erkki.IN.	42	L3
L2	Ruoslahti-E.IN.	31	L2
L1	(Ruoslahti.IN.)	197	L1

END OF SEARCH HISTORY

WEST Search History

DATE: Tuesday, November 25, 2003

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L7	Pasqualini-Renata.IN.	28	L7
L6	Pasqualini-R.IN.	42	L6
L5	Pasqaulini-R.IN.	0	L5
L4	(Pasqualini.IN.)	192	L4
L3	Ruoslahti-Erkki.IN.	42	L3
L2	Ruoslahti-E.IN.	31	L2
L1	(Ruoslahti.IN.)	197	L1

END OF SEARCH HISTORY

WEST Search History

DATE: Tuesday, November 25, 2003

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L8	V-L-R	10	L8
L7	VLR	2703	L7
L6	Val-Leu-Arg	13	L6
L5	(Valine-Leucine-Arginine)	4	L5
L4	S-R-L	1	L4
L3	SRL	40439	L3
L2	Ser-Arg-Leu	3	L2
L1	(Serine-Arginine-Leucine)	4	L1

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PMC PubMed Nucleotide Protein Genome Structure Journals Book Search | PubMed Go Clear for homing peptide Preview/Index Limits History Clipboard Details About Entrez Display Summary Show: |500 ₩ Sort Send to Text Items 1-492 of 492 One page. Text Version 1: Ratajczak J, Reca R, Kucia M, Majka M, Allendorf DJ, Baran JT. Related Articles, Links Janowska-Wieczorek A, Wetsel RA, Ross GD, Ratajczak MZ. Entrez PubMed Overview Mobilization studies in mice deficient in either C3 or C3a-receptor (C3aR) Help I FAQ reveal a novel role for complement in retention of hematopoietic Tutorial stem/progenitor cells in bone marrow. NewNoteworthy E-Utilities Blood. 2003 Nov 6 [Epub ahead of print] PMID: 14604969 [PubMed - as supplied by publisher] **PubMed Services** 2: Burger M, Glodek A, Hartmann T, Schmitt-Graff A, Silberstein LE, Related Articles, Links Journals Database Fujii N, Kipps TJ, Burger JA. MeSH Database Single Citation Matcher Functional expression of CXCR4 (CD184) on small-cell lung cancer cells **Batch Citation Matcher** mediates migration, integrin activation, and adhesion to stromal cells. Clinical Queries Oncogene. 2003 Nov 6;22(50):8093-101. LinkOut PMID: 14603250 [PubMed - in process] Cubby 3: Roseeuw E. Coessens V. Balazuc AM, Lagranderie M, Chavarot P. Related Articles, Links Related Resources Pessina A. Neri MG, Schacht E, Marchal G, Domurado D. Order Documents **NLM Gateway** Synthesis, degradation, and antimicrobial properties of targeted TOXNET macromolecular prodrugs of norfloxacin. Consumer Health Antimicrob Agents Chemother. 2003 Nov;47(11):3435-41. Clinical Alerts PMID: 14576099 [PubMed - in process] ClinicalTrials.gov PubMed Central 4: Bogenrieder T, Herlyn M. Related Articles, Links Privacy Policy Axis of evil: molecular mechanisms of cancer metastasis. Oncogene, 2003 Sep 29;22(42):6524-36. Review. PMID: 14528277 [PubMed - indexed for MEDLINE] 5: Tai YT, Podar K, Catley L, Tseng YH, Akiyama M, Shringarpure R, Related Articles, Links Burger R. Hideshima T. Chauhan D. Mitsiades N. Richardson P. Munshi NC, Kahn CR, Mitsiades C, Anderson KC. Insulin-like growth factor-1 induces adhesion and migration in human multiple myeloma cells via activation of beta1-integrin and phosphatidylinositol 3'-kinase/AKT signaling. Cancer Res. 2003 Sep 15;63(18):5850-8. PMID: 14522909 [PubMed - in process] 6: Becker KA, Florin L, Sapp C, Sapp M. Related Articles, Links Dissection of human papillomavirus type 33 L2 domains involved in nuclear domains (ND) 10 homing and reorganization. Virology. 2003 Sep 15;314(1):161-7. PMID: 14517069 [PubMed - indexed for MEDLINE] 7: Beljaars L, Weert B, Geerts A, Meijer DK, Poelstra K. Related Articles, Links The preferential homing of a platelet derived growth factor receptorrecognizing macromolecule to fibroblast-like cells in fibrotic tissue. Biochem Pharmacol. 2003 Oct 1;66(7):1307-17.

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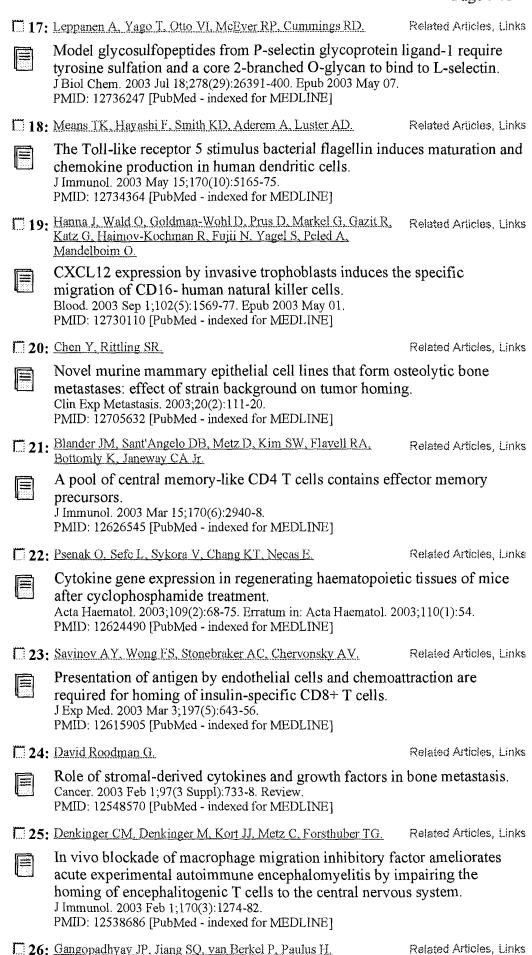
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□9:	Luethviksson BR, Gunnlaugsdottir B.	Related Articles, Links
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T 11:	Klunker S, Trautmann A, Akdis M, Verhagen J, Schmid- Grendelmeier P, Blaser K, Akdis CA.	Related Articles, Links
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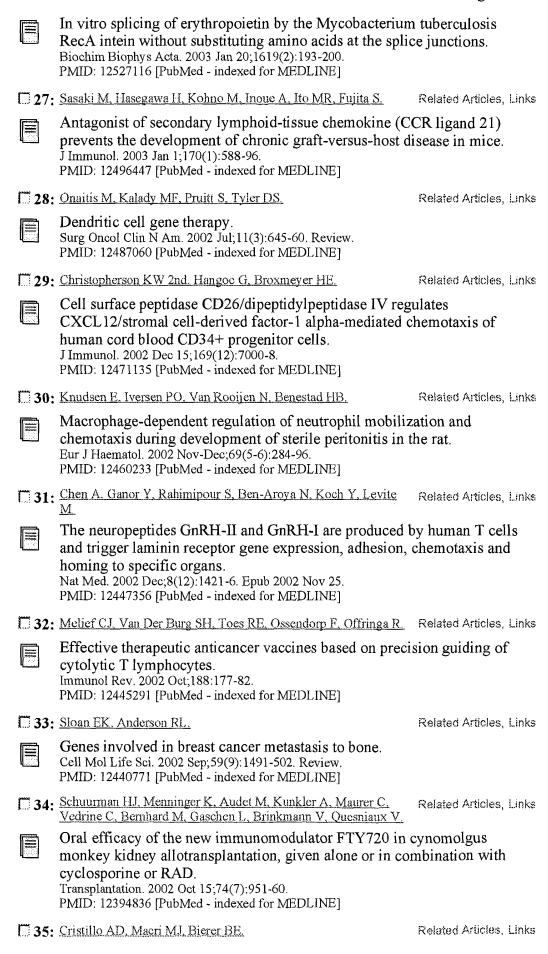
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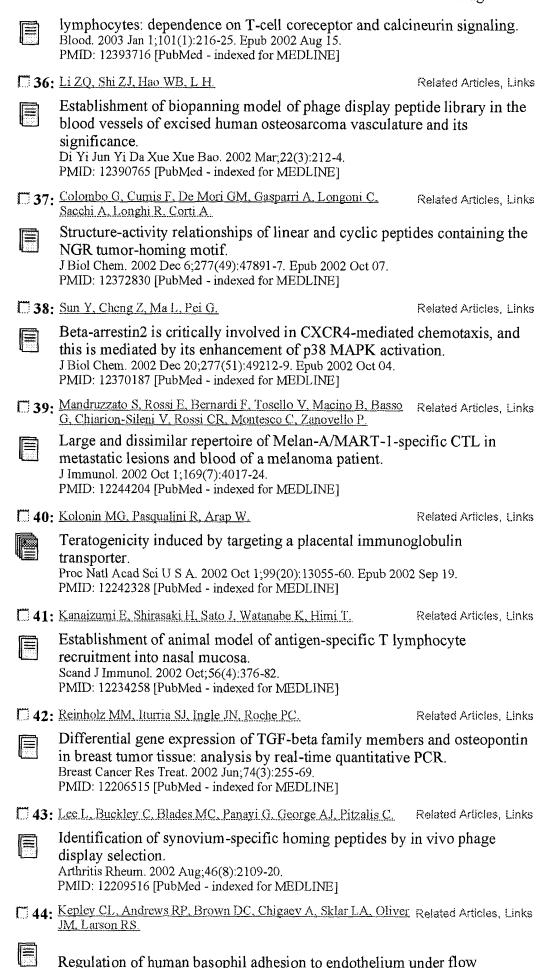


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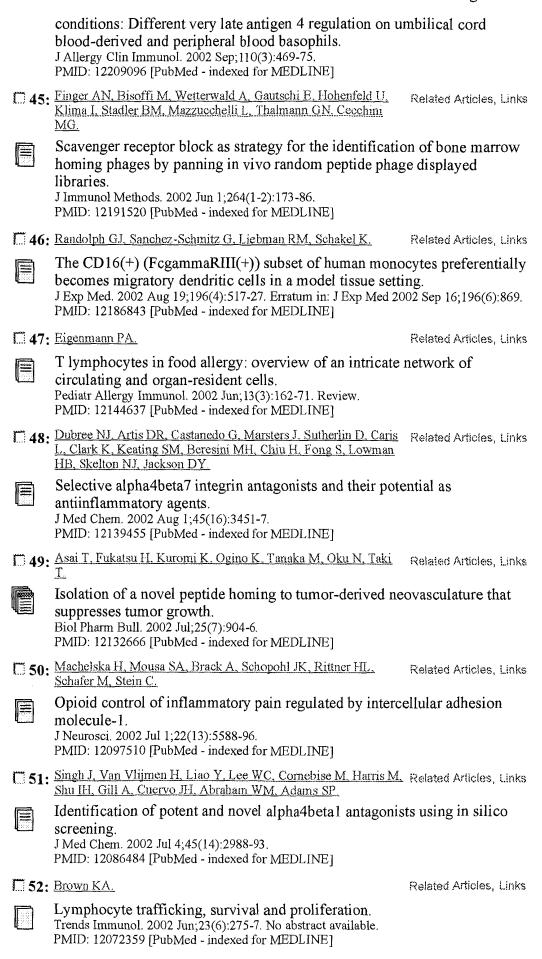
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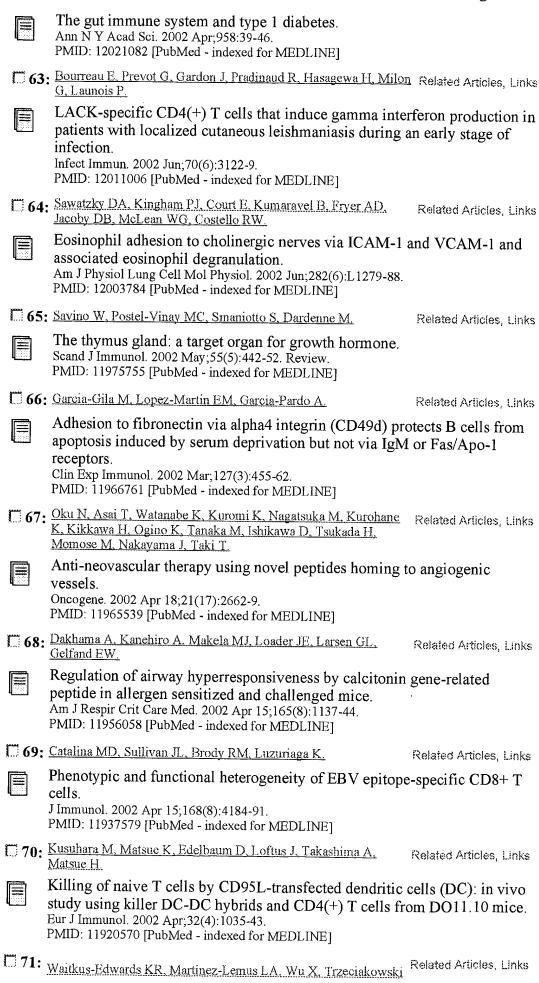


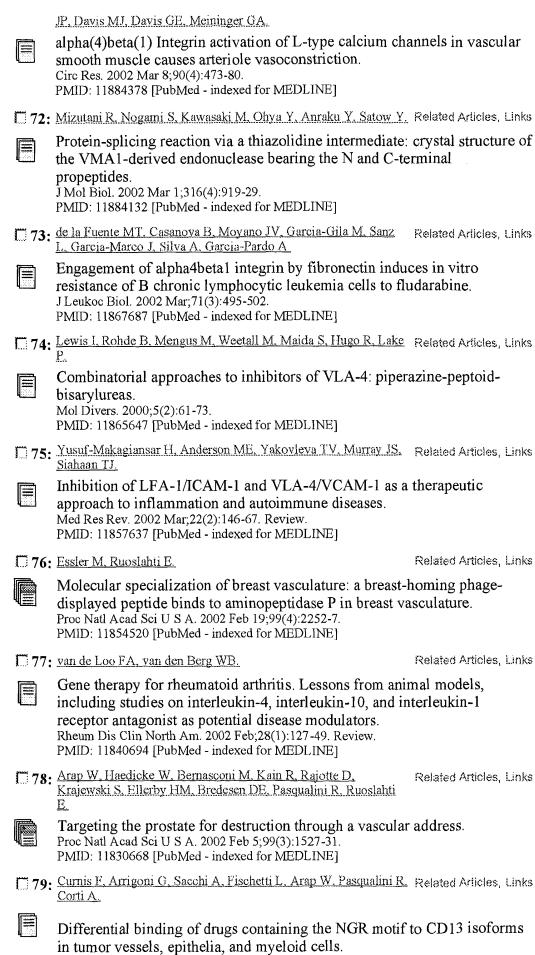
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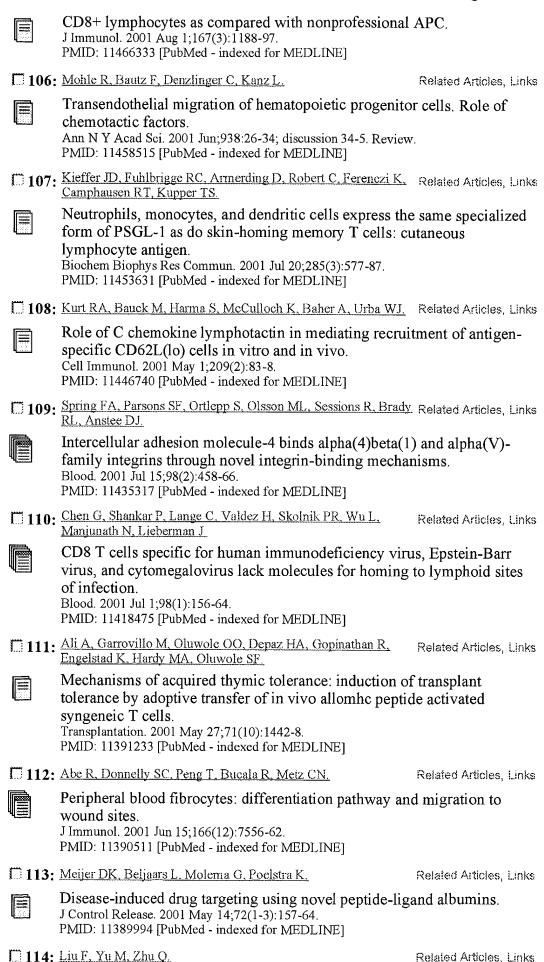
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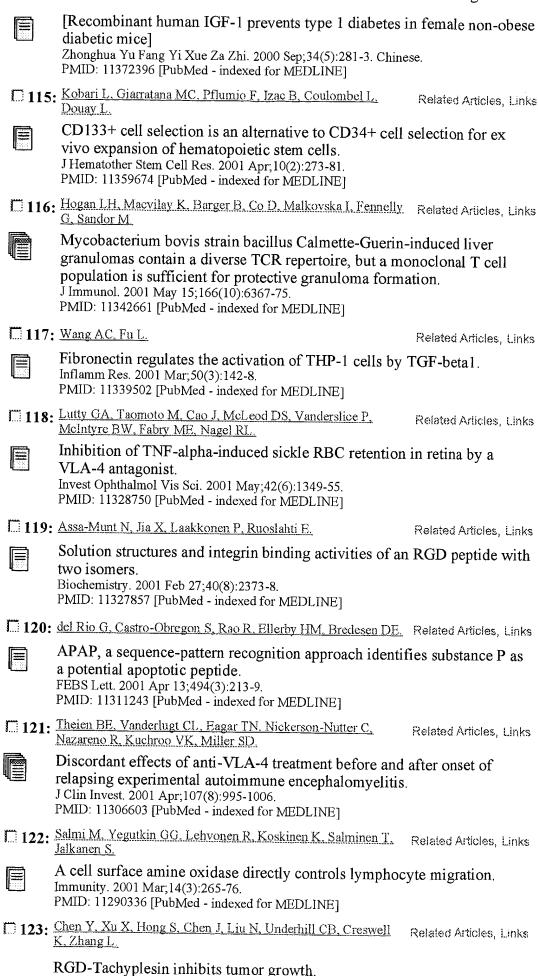
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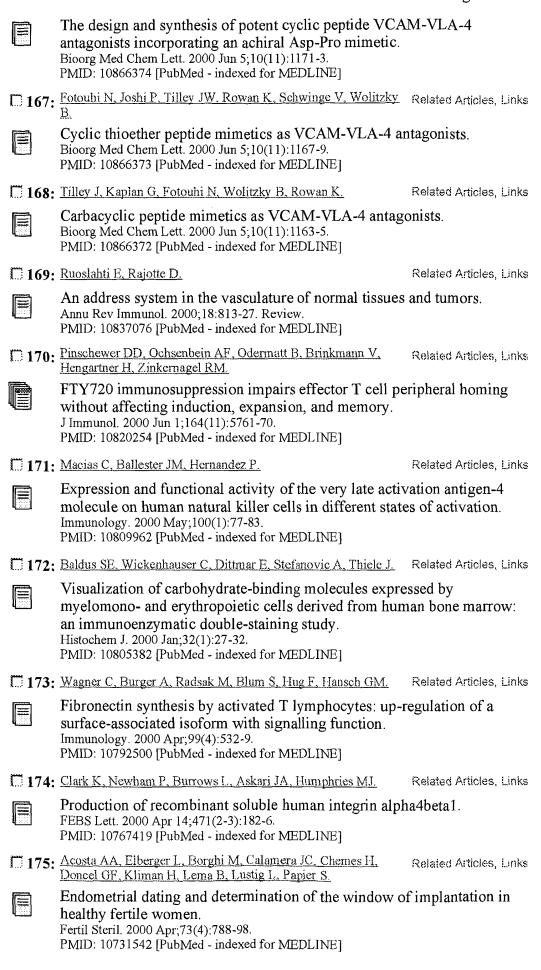
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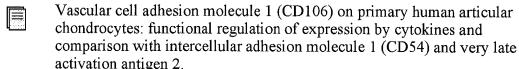
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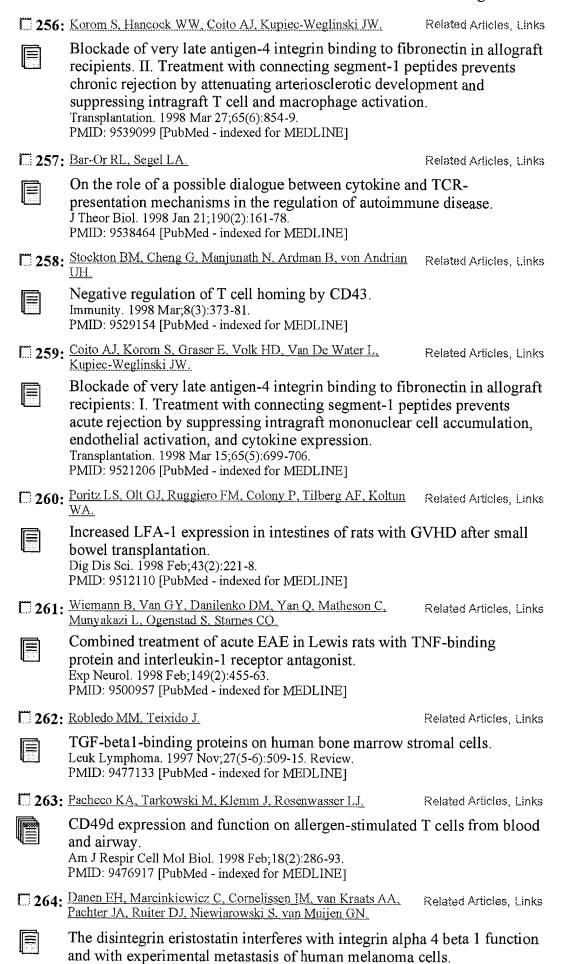
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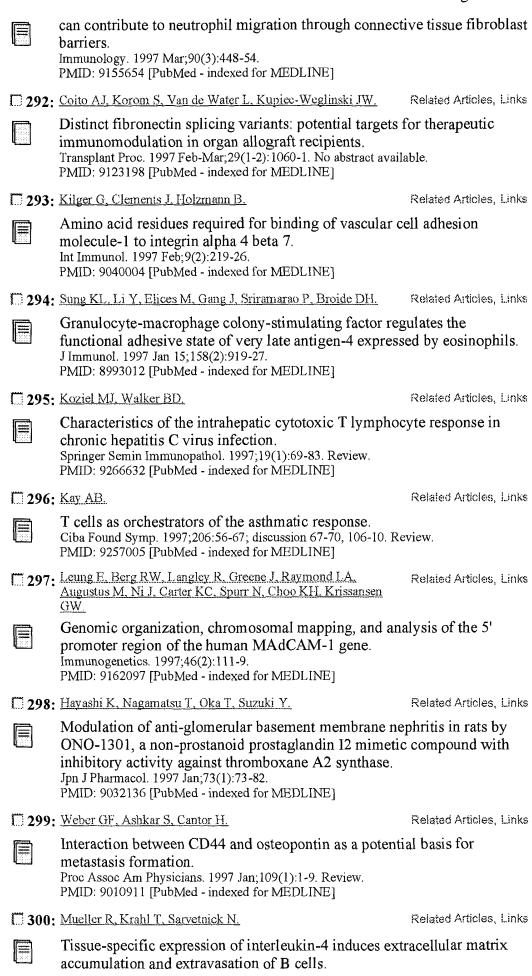
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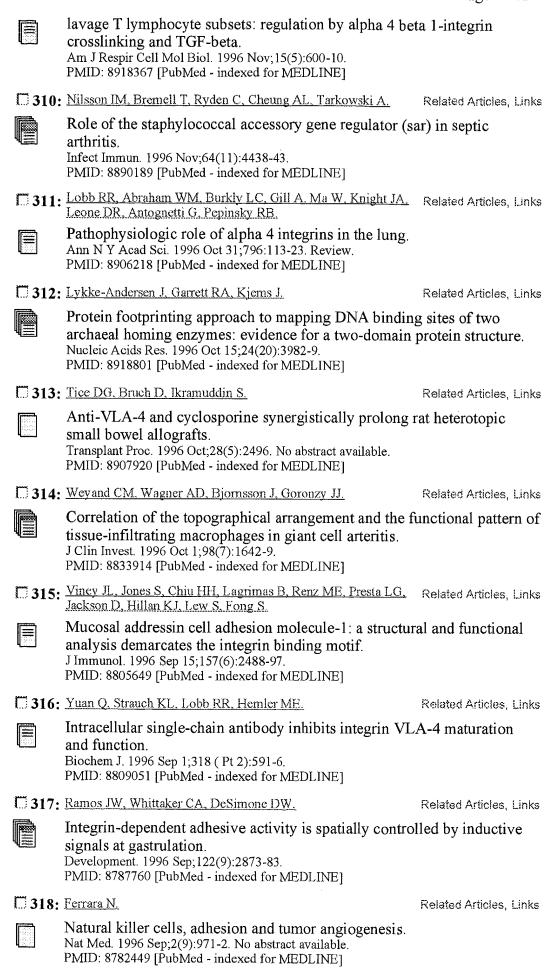
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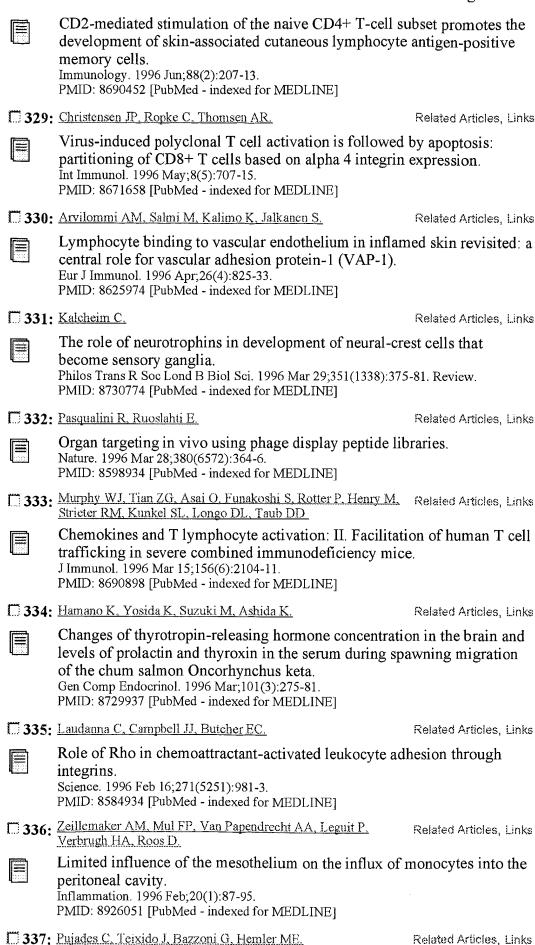
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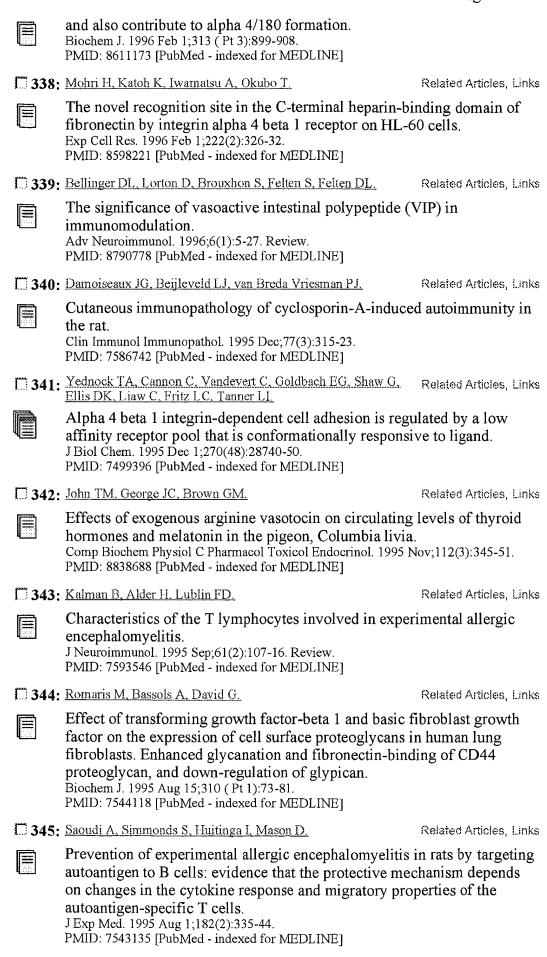
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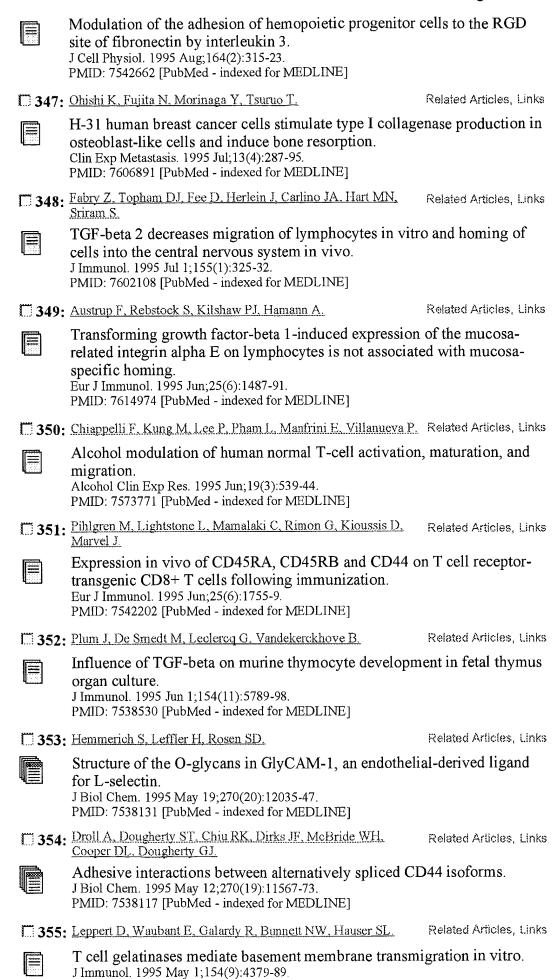


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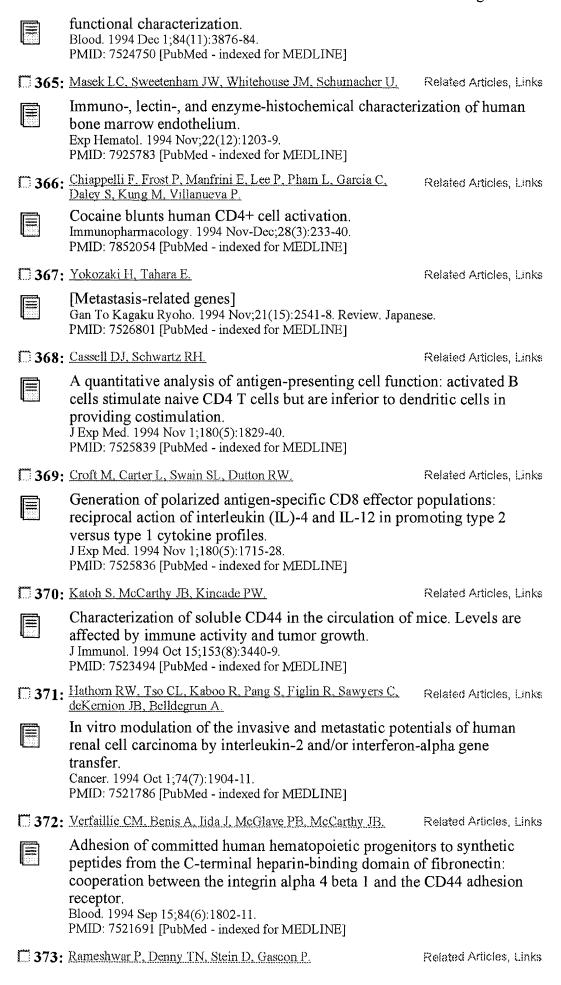
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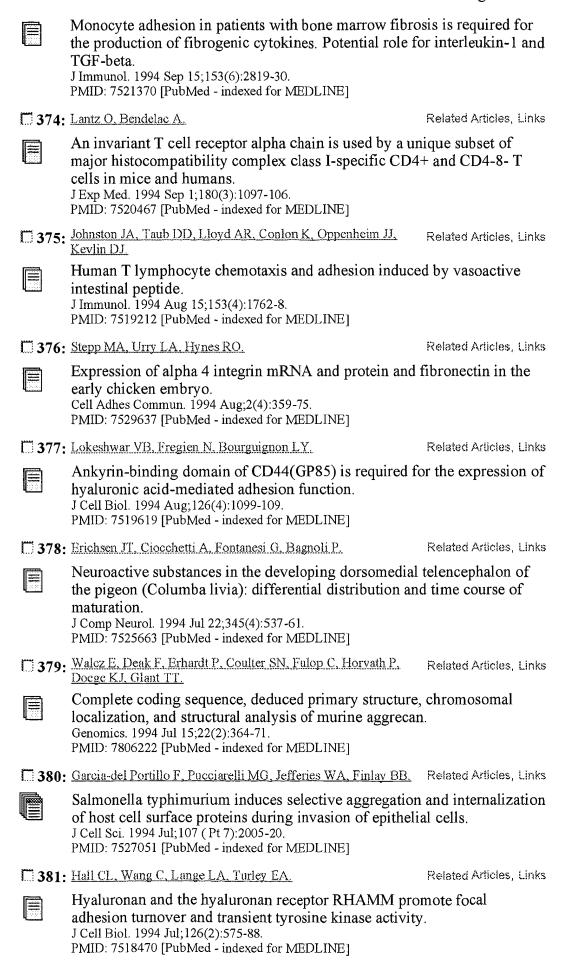
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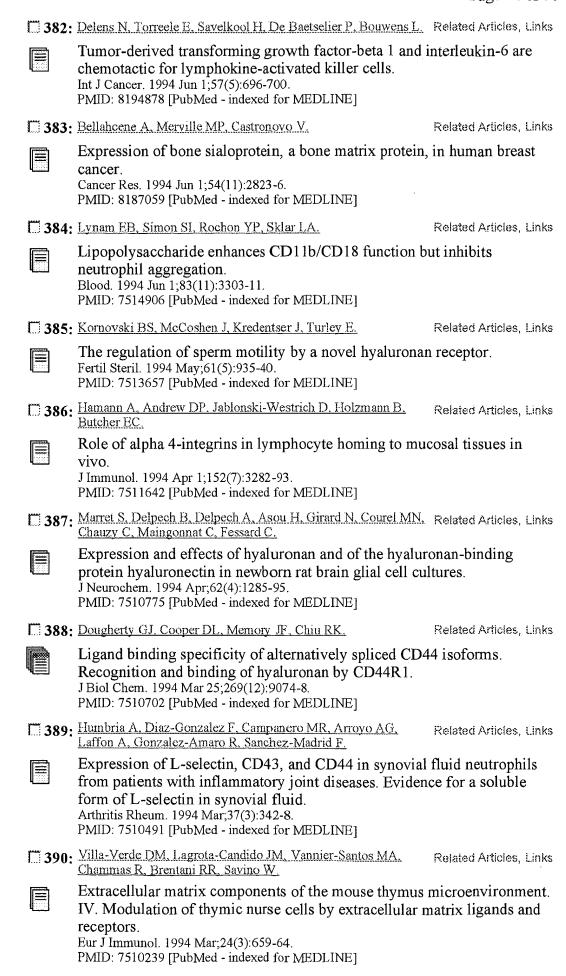
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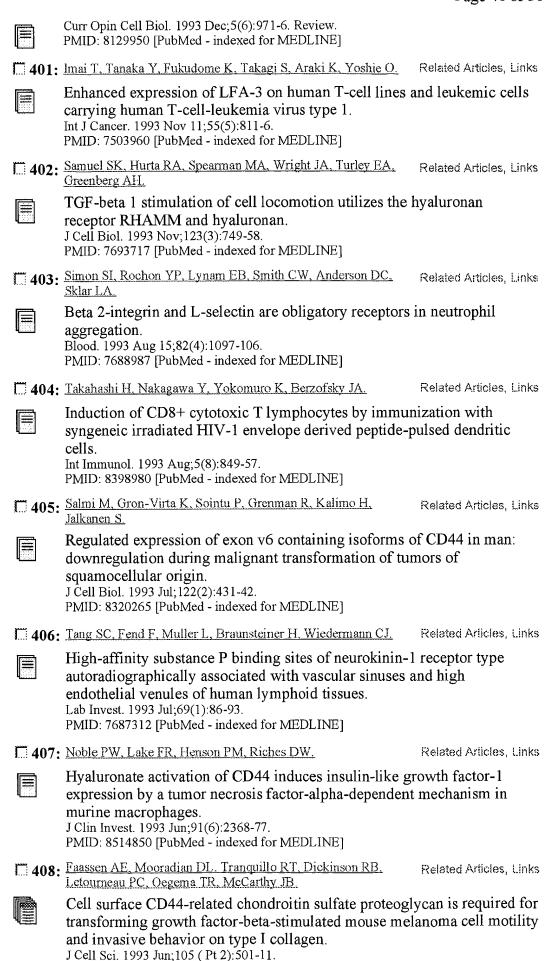


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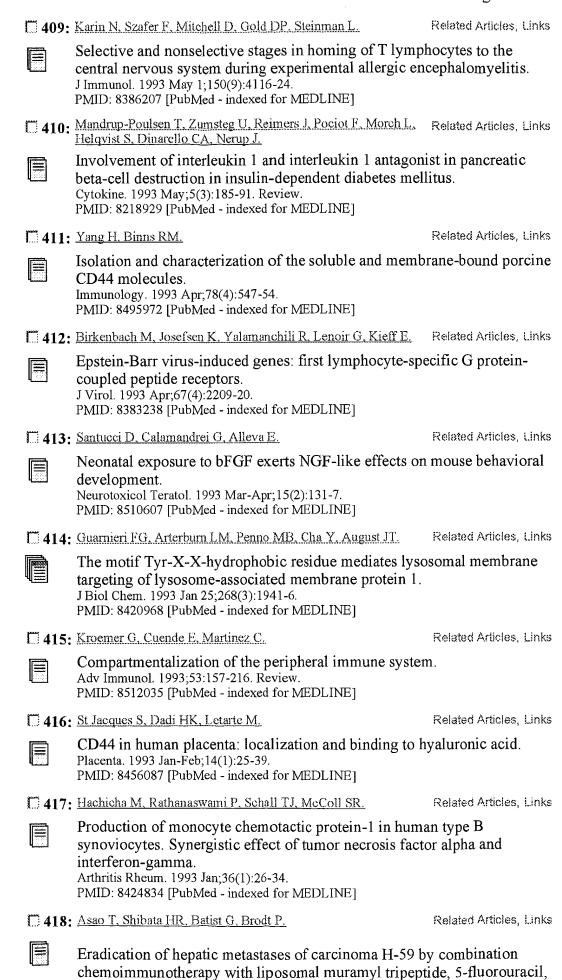


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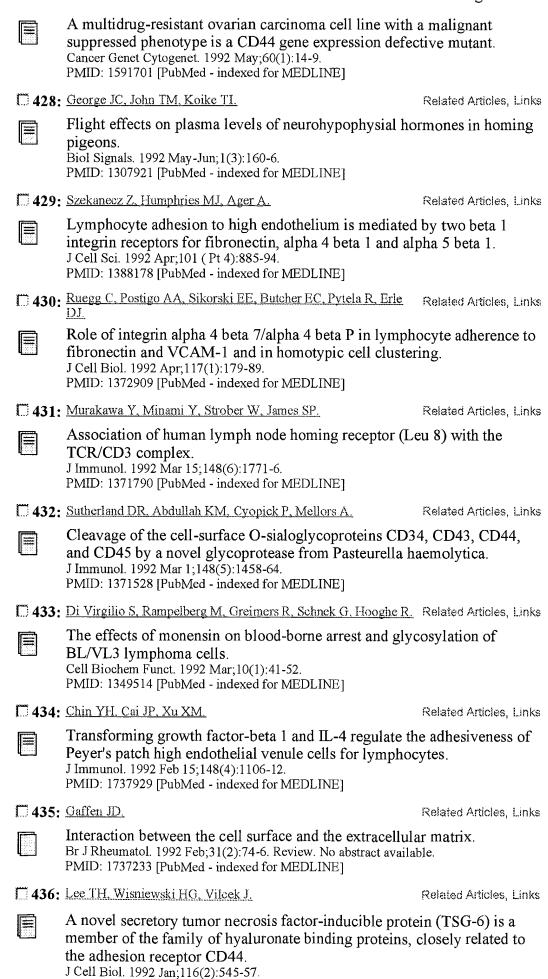
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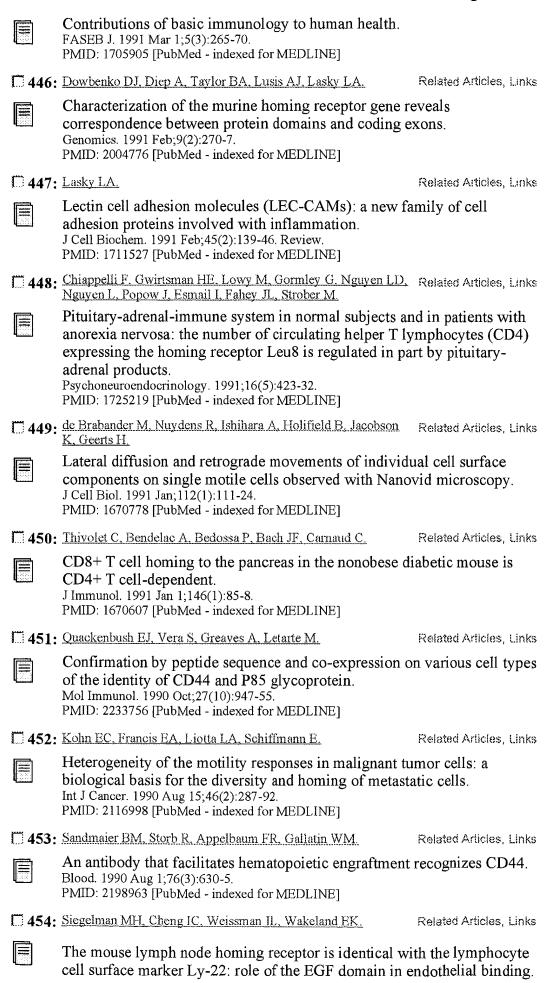
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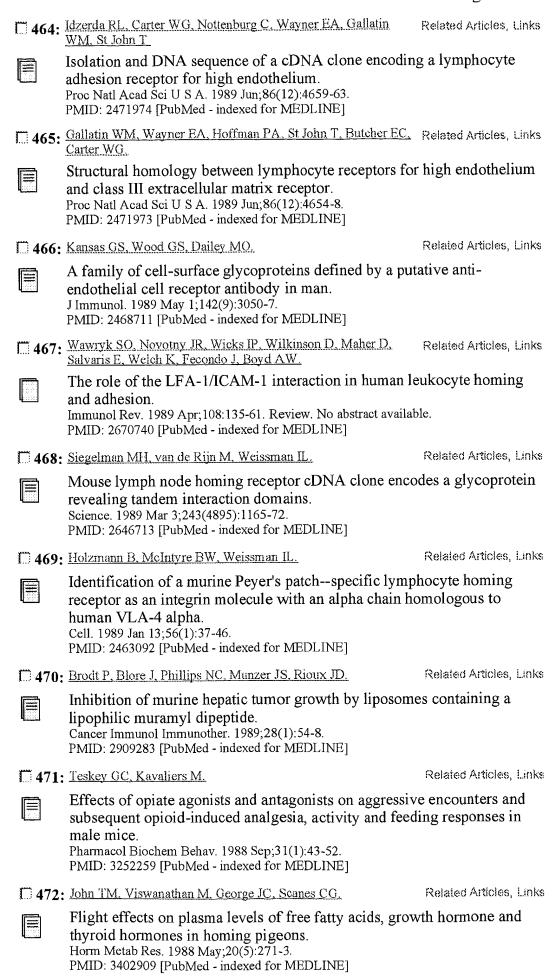
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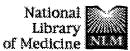
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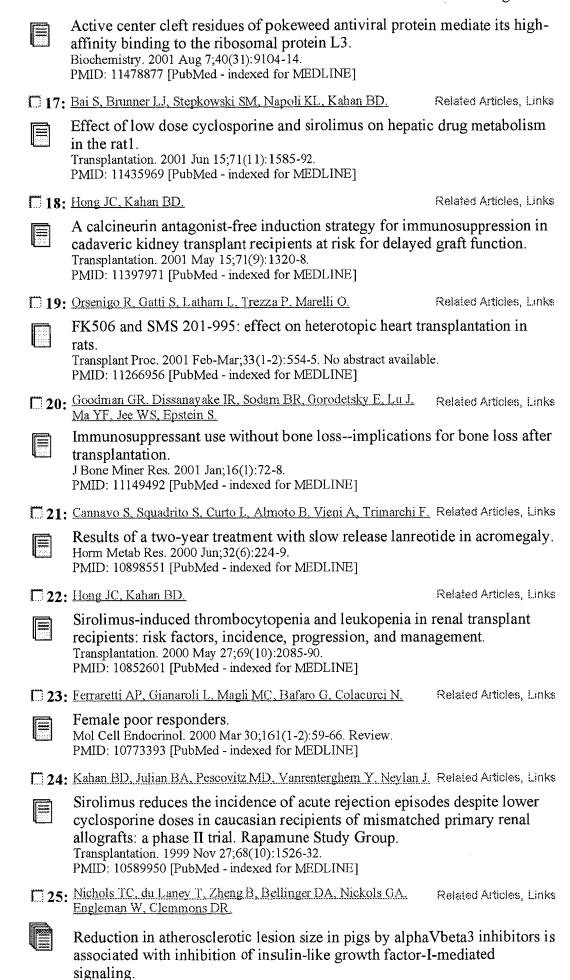
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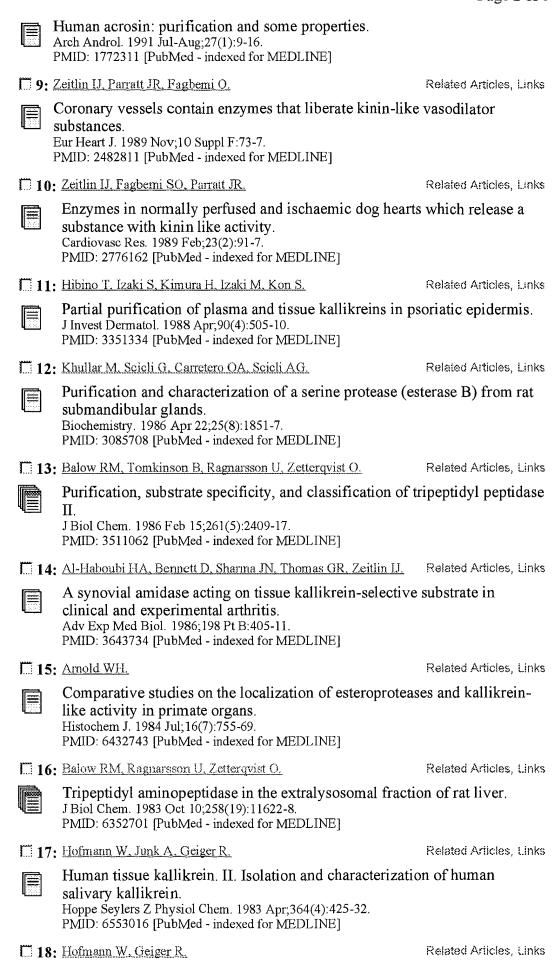


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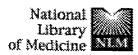
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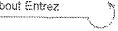
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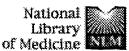
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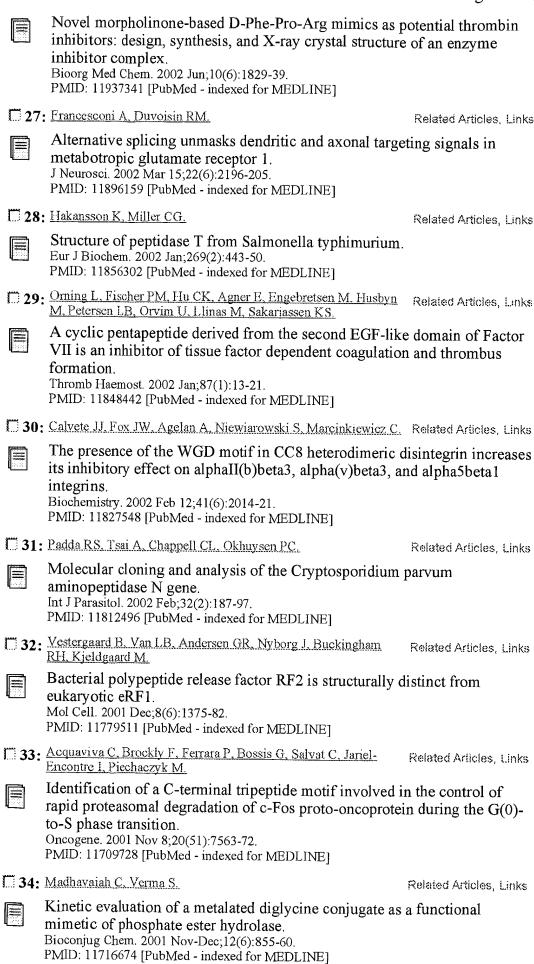
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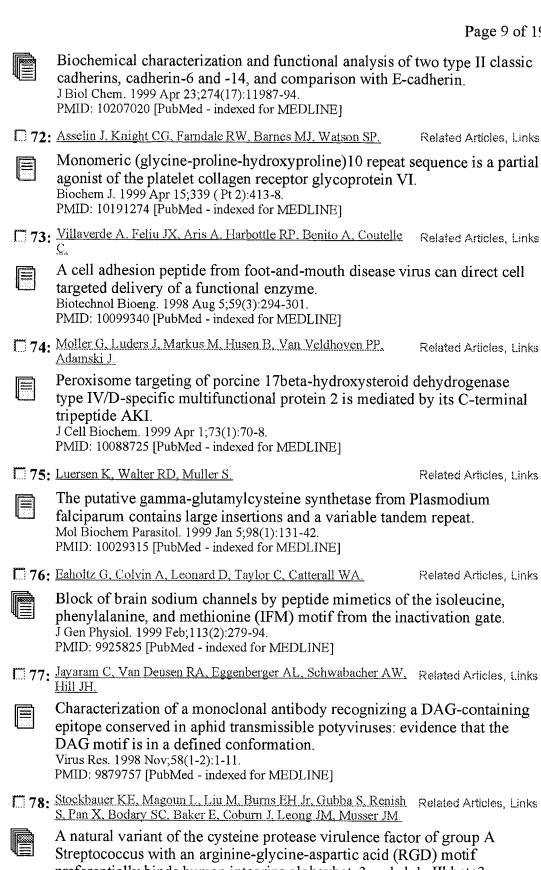
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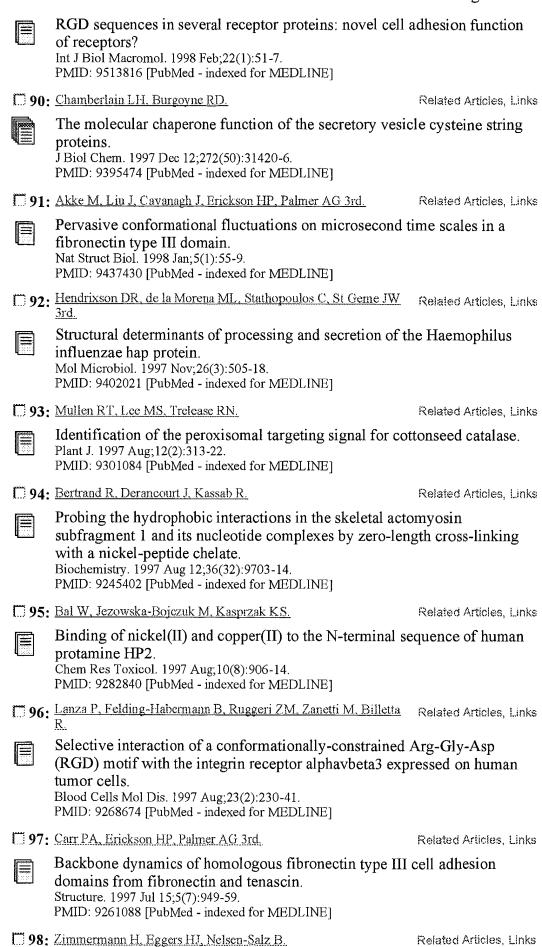
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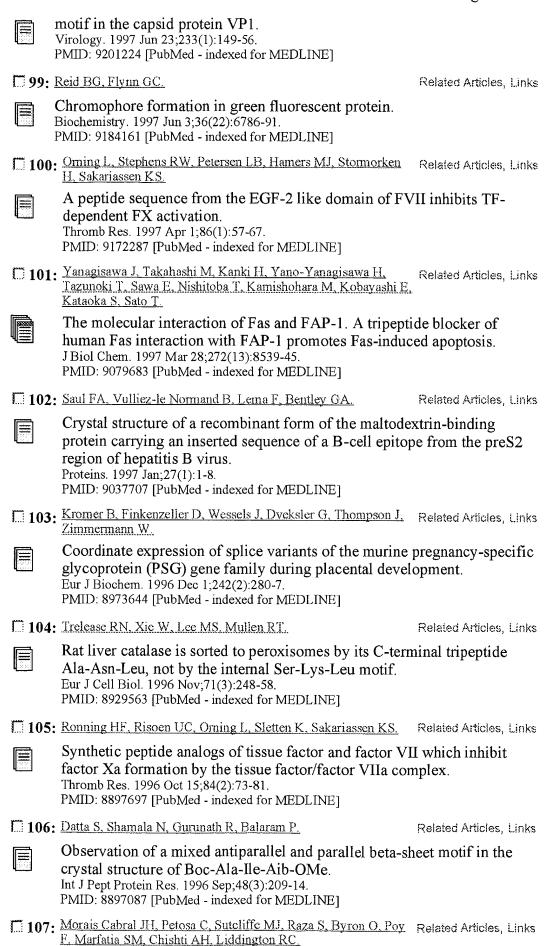
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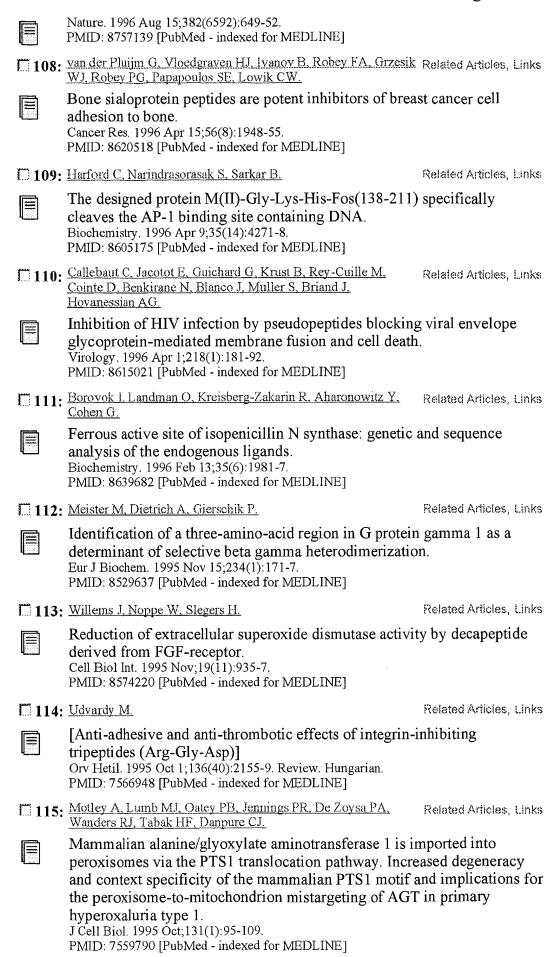
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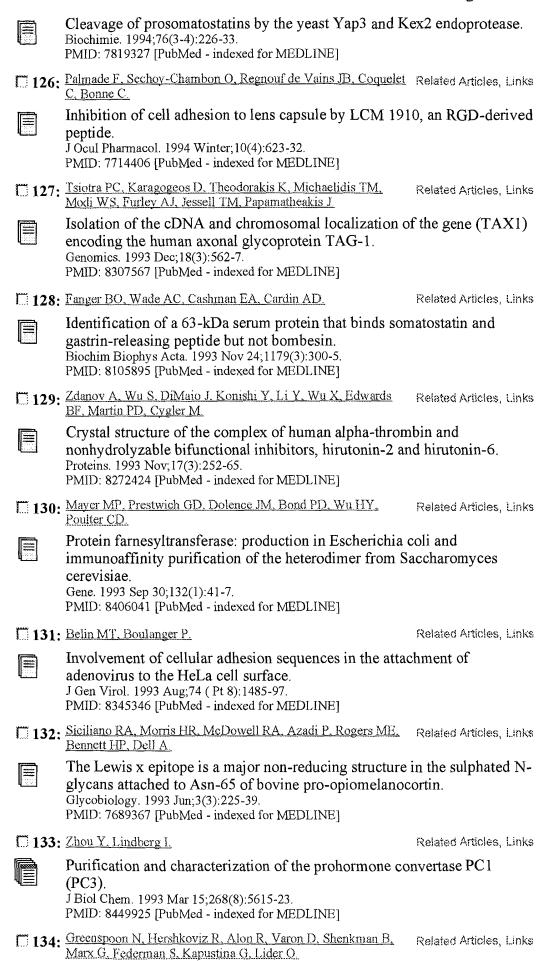
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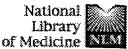
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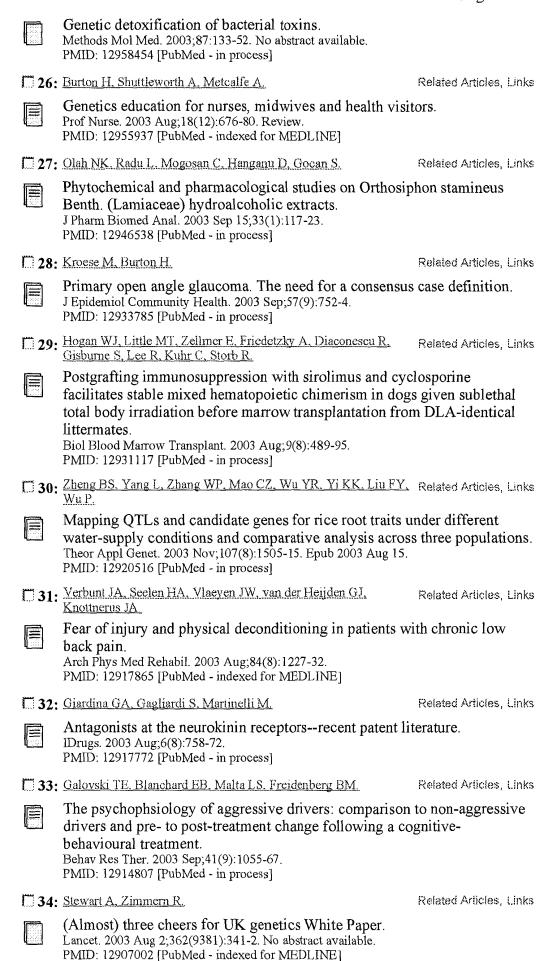
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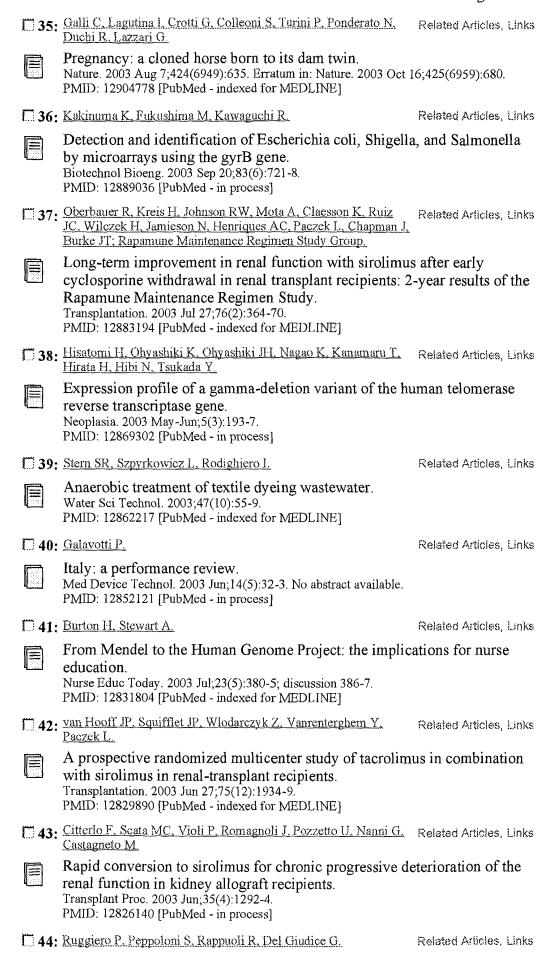
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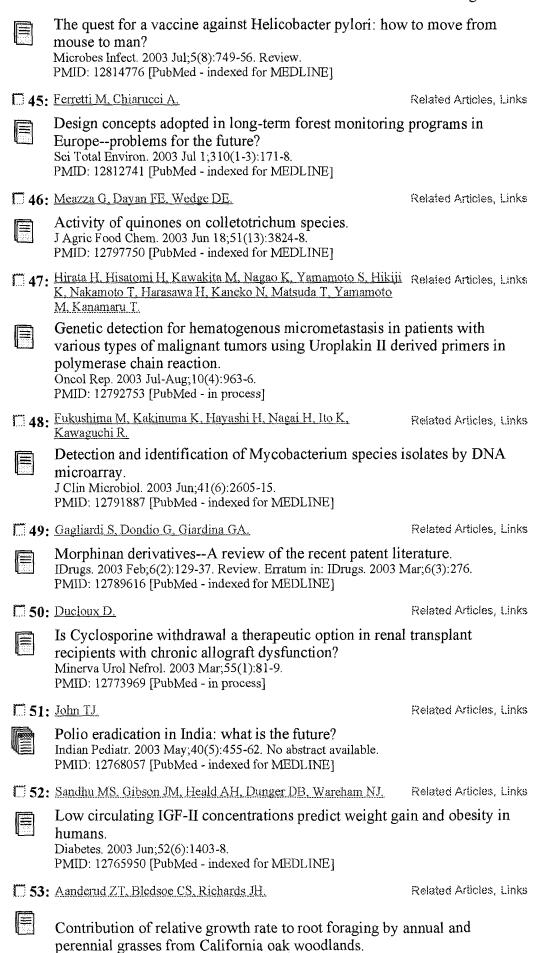
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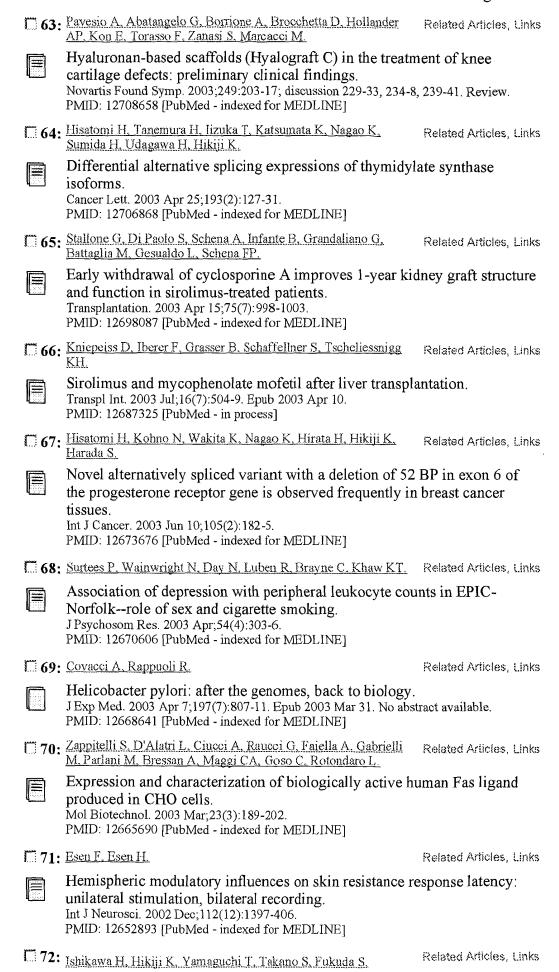
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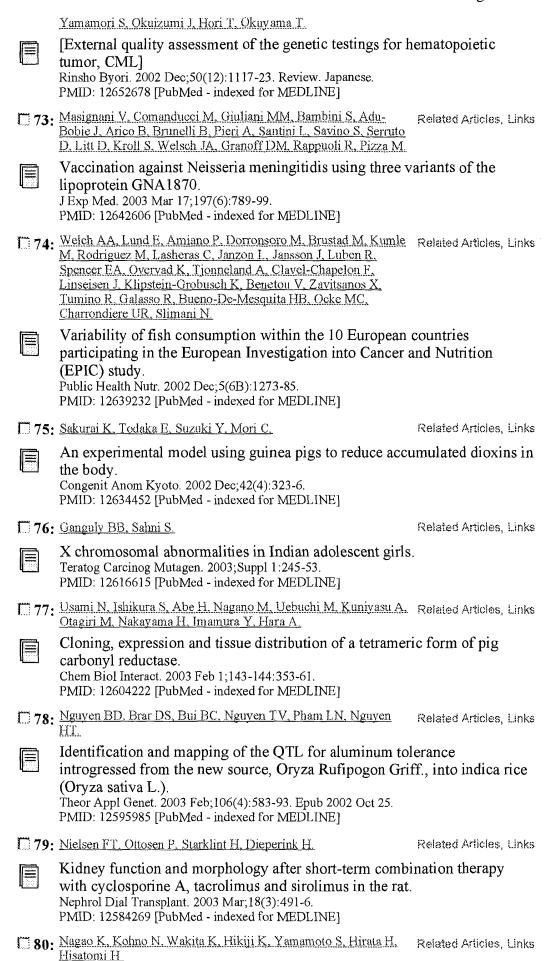
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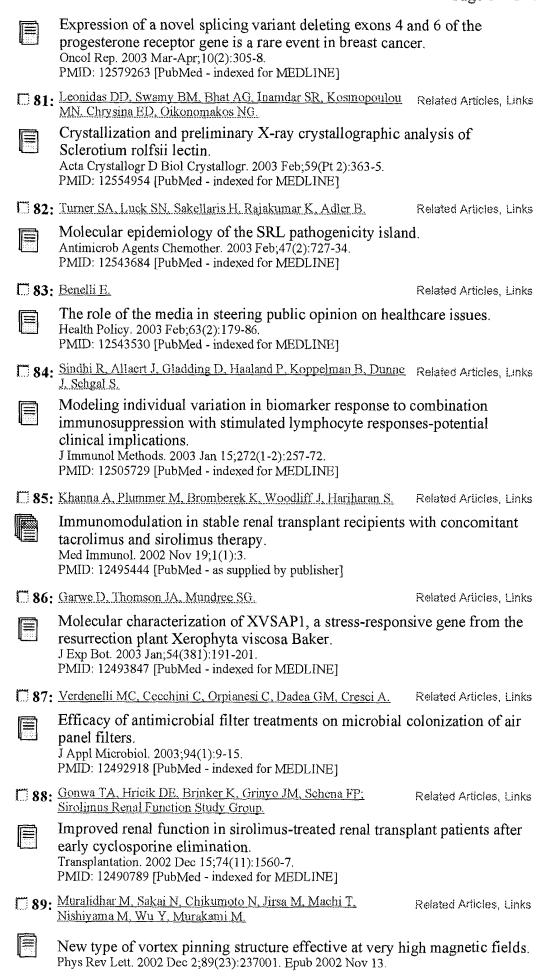
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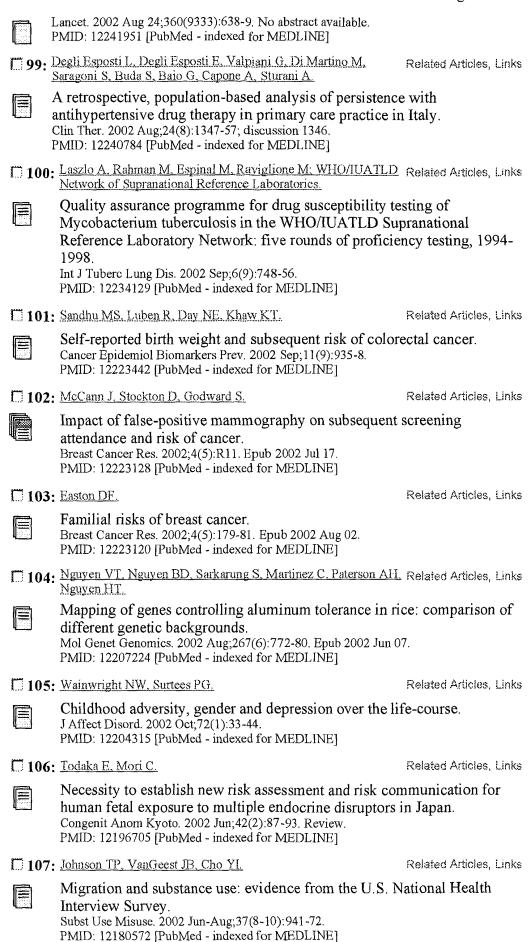
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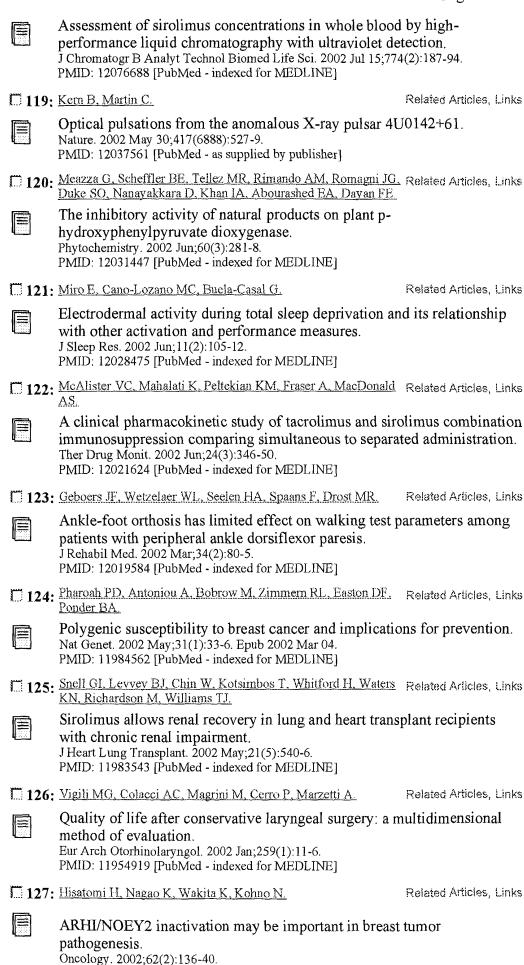
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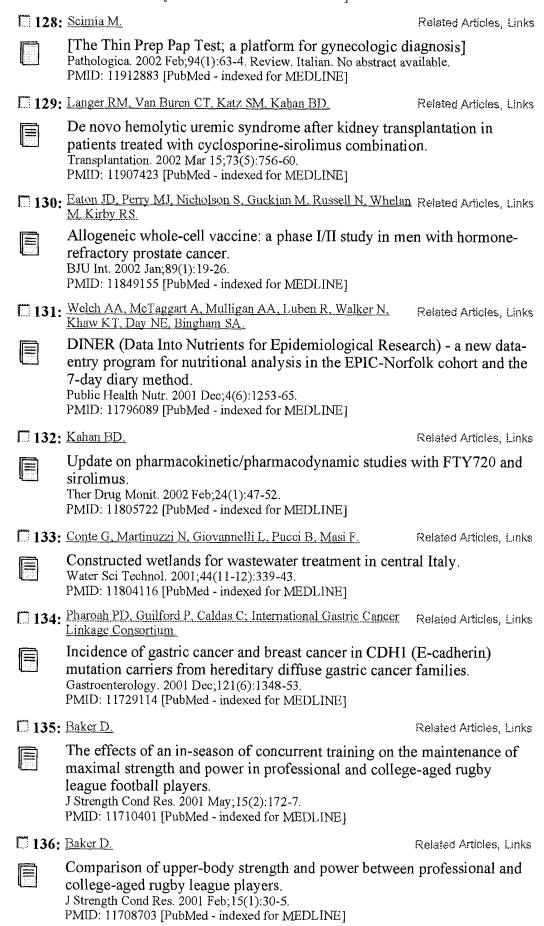
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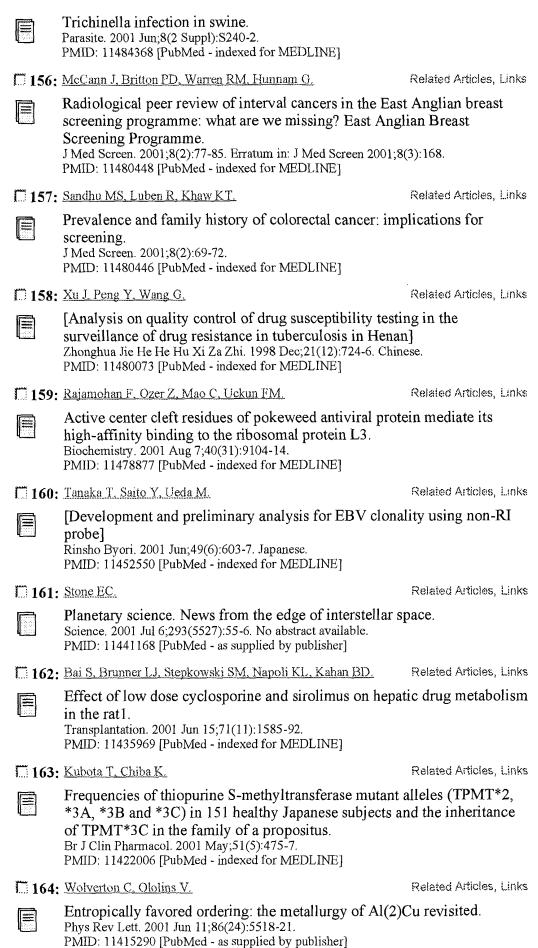
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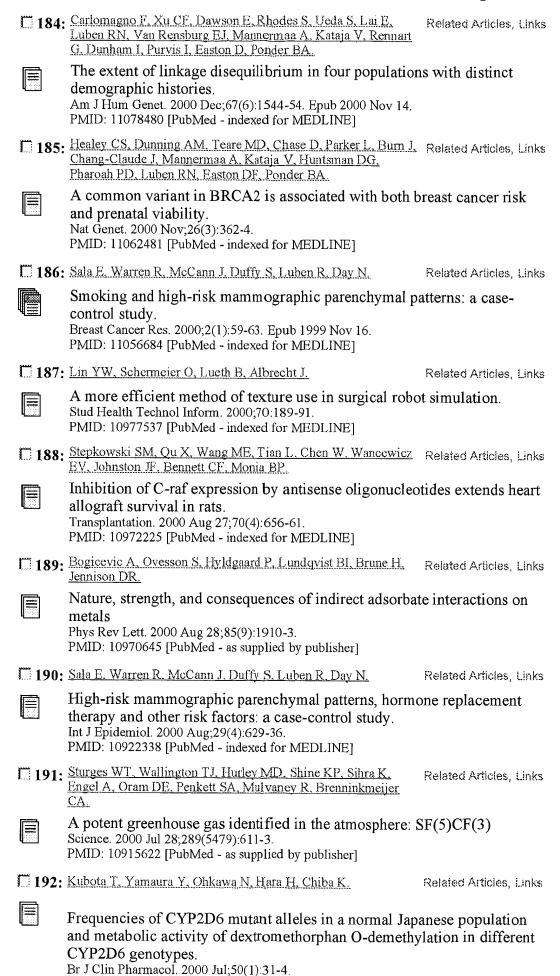
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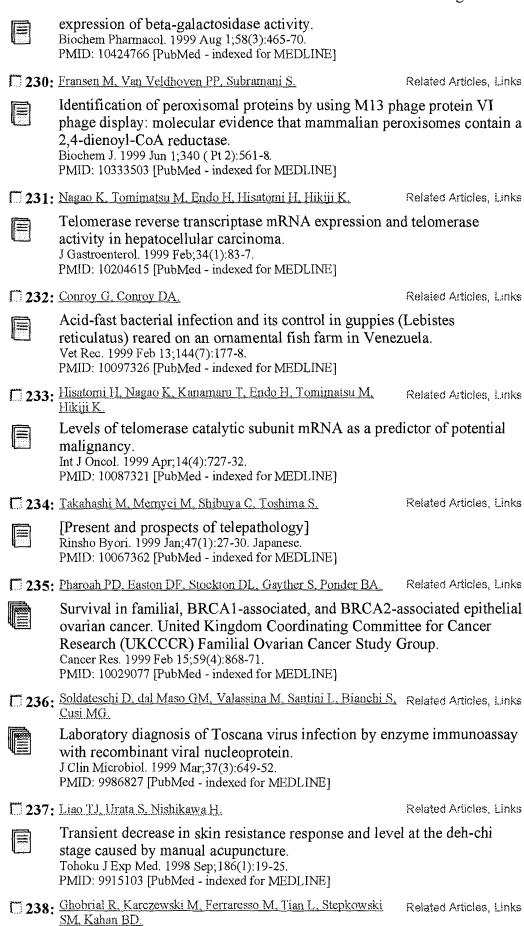
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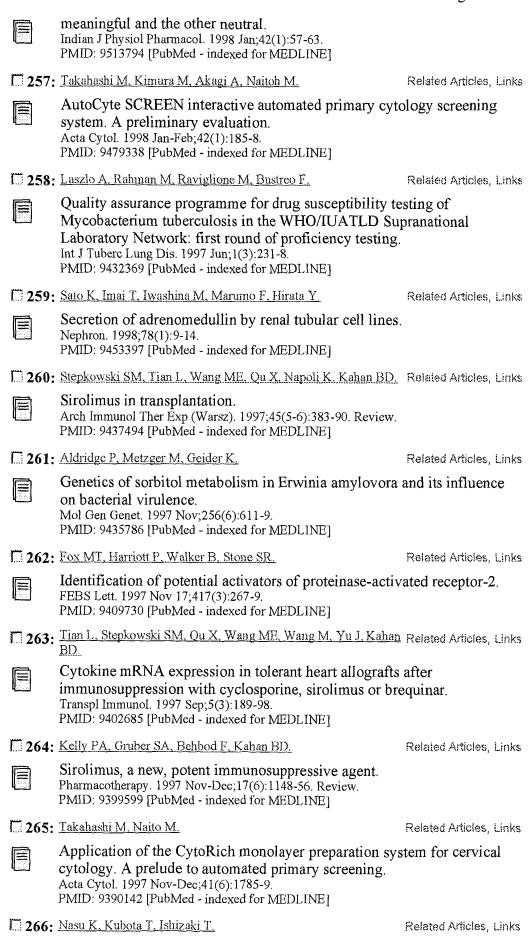
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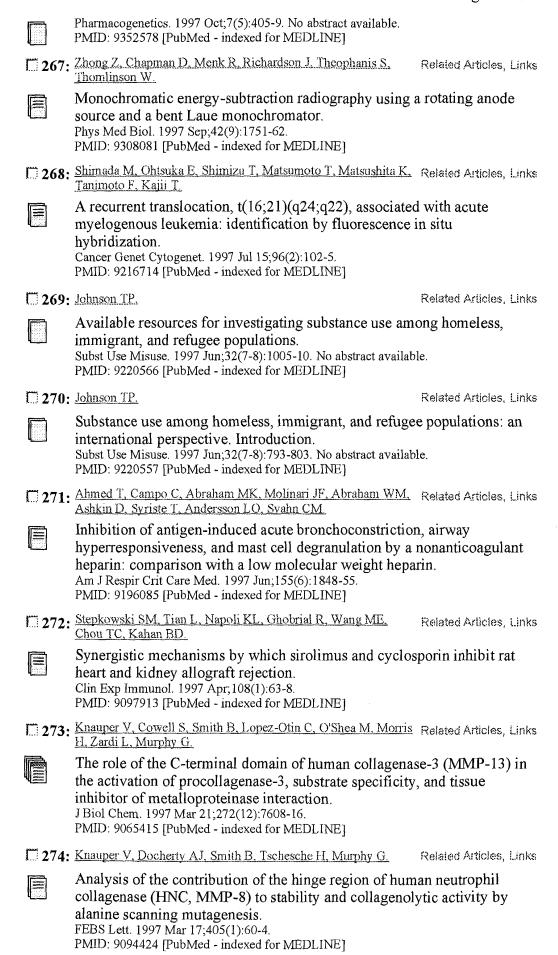
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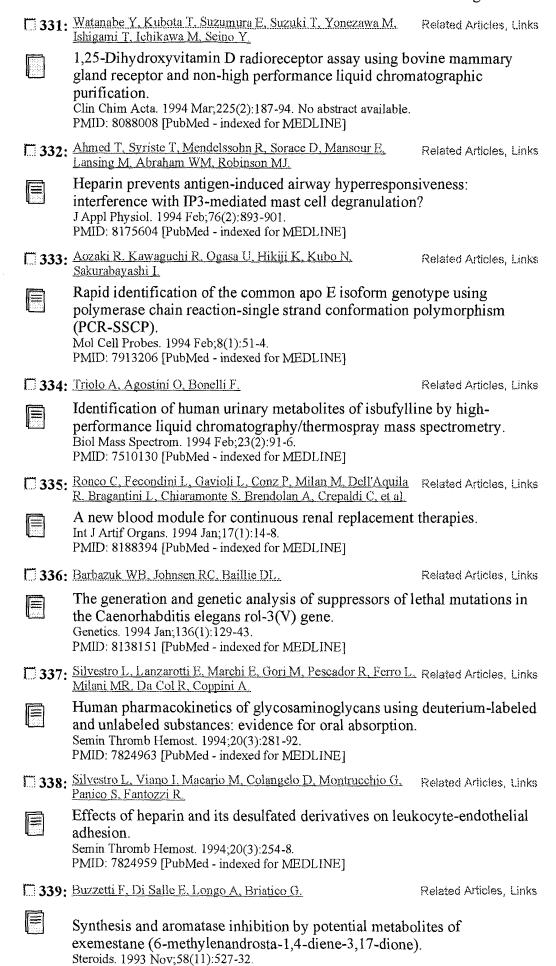
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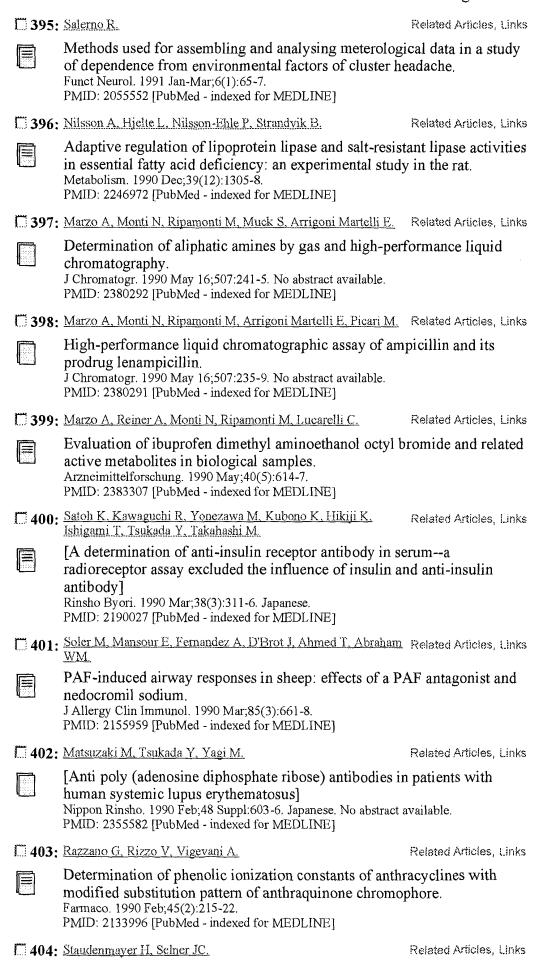
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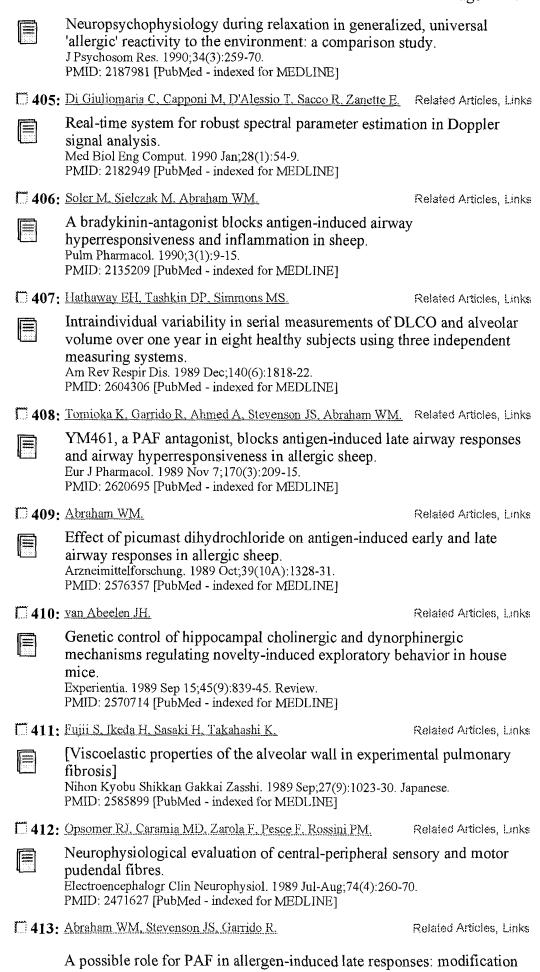
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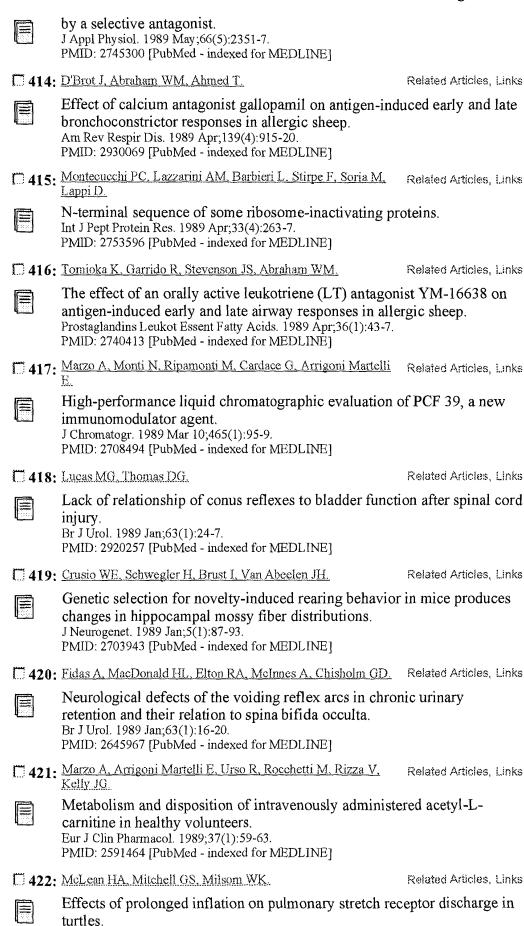
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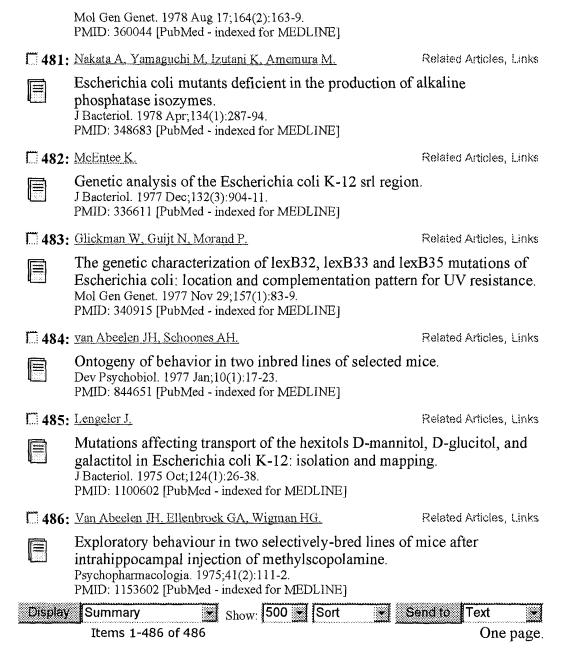
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Biovector Therapeutics SA (42103), France
Hoechst Marion Roussel AG (35782), Germany
Pharmacia & Upjohn Inc (36197), USA
Cygnus Inc (36377), USA
Novartis AG (38000), Switzerland
Pharmaceutical Services Drug Delivery
      West Pharmaceutical Services Drug Delivery and Clinical Research Centre
      Ltd (55186), UK
Gensia Sicor Inc (41935), USA
SICOR Inc (55202), USA
Aventis Pharma AG (50059), Germany
      Pharmacia Corp (56022), USA
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      American Cyanamid Co (1127), USA
      American Home Products Corp (AHP) (2985), USA
      Rhone-Poulenc Rorer Inc (6086), ÚSA
      Chiron Corp (1282), USA
Ares-Serono SA (1487), Switzerland
Sphinx Pharmaceuticals Corp (17755), USA
      InterPharm Laboratories Ltd (1559),
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      Houghten Pharmaceuticals Inc (26566), USA
Chiron Mimotopes US (28496), USA
                   ***Peptide*** Systems (MPS) (17461), USA
      Multiple
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Chiron Mimotopes
                       ***Peptide***
                                           Systems (CMPS) (31468), USA
Genzyme Transgenics Corp (GTC) (29110), USA
TSI Corp (16127), USA
IG Laboratories Inc (403), USA
Genencor International Inc (500), USA
Genetic Design Inc (1444), USA
Needham & Co (244), USA
Radiobiological Institute (896), Netherlands
Medix Biotech Inc (19502), USA
Vivigen Inc (5467), USA
VIROTECH System-Diagnostika GmbH (9246), Germany Omnia Res ***Srl*** (29320), Italy
                             (29320), Italy
Bio-Pharm Clinical Services Inc (27153), USA
Affinity Biotech Inc (10671), USA
DDI Pharmaceuticals Inc (7720), USA
BIOXYTECH SA (24024), France
Darby Pharmaceuticals (31438), USA
Trinity Biotech plc (26737), Ireland
Michigan Investment Fund (15068), USA
DNA Plant Technology Corp (DNAP) (1364), USA
Freshworld Inc (21872), USA
ImmunoPharmaceutics Inc (23777), USA
Texas Biotechnology Corp (TBC) (16492), USA
Laboratoires Domilens SA (32920), France
MonoCarb AB (4657), Sweden
Premier BioResources Inc (PBI) (31680), USA
North American Biologicals Inc (NABI) (4993), USA
Serono Diagnostics Inc (3526), USA
BioChem Pharma Inc (25653), Canada
Center for Gene Research and Biotechnology (17255), USA
Eli Lilly and Co (1081), USA
Theragen Inc (26605), USA
GenVec Inc (28772), USA
Vancouver Wholesale Drugs (32689), Canada
Receptagen Corp (30050), USA
Synbiotics Corp (4281), USA
OXIS International Inc (33387), USA
Genzyme Virotech GmbH (34295), Germany
New MonoCarb AB (32077), Sweden
Nabi (37595), USA
DNAP Holding Corp (37652), USA
Genzyme Genetics Inc (38640), USA
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ISSN: 0363-6127 CODEN: AJPFDM
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ACCESSION NUMBER:
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TITLE:
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TITLE:
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     RAT-KIDNEY, A MEMBER OF THE FAMILY OF FMN-DEPENDENT ALPHA-HYDROXY
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CO
      TCI
      ABCR GmbH & Co.; Acros Organics; Albemarle Corporation; Aldrich; Alfa Aesar; AlliedSignal Inc. Specialty Chemicals; Dolder Ltd.; Fangqiao East Chemical Plant; Fluka; ICN Biomedical Research Products; Kessler Chemical,
CO
      Inc.; Ketan Chemical Corporation; Lancaster Synthesis Inc.; Narchem Corporation; Ocean Chemicals Group; Pfaltz & Bauer, Inc.; Shouguang Fukang Pharmaceutical Co., Ltd.; Sichuan Sangao Biochemical Co., Ltd.; Sinobrom
      Limited; Spectrum Quality Products, Inc.; TCI; Tosoh Corporation; Wilshire
      Chemical Co., Inc.; Xinchem Company; Zhejiang Medicines & Health Products
      Import & Export Co., Ltd.
CO
      ABCR GmbH_& Co.; Acros Organics; Advanced ChemTech; Aldrich; Fluka; ICN
      Biomedical Research Products; Jubilant Organosys Limited; Koei Chemical
      Company, Ltd; Lancaster Synthesis Inc.; Mallinckrodt Laboratory Chemicals;
      Pfaltz & Bauer, Inc.; Priya Limited; Raschig GmbH; Reilly Industries, Inc.; Schenectady International Group; SiberHegner GmbH; Sichuan Sangao
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Biochemical Co., Ltd.; Spectrum Quality Products, Inc.; TCI

Acros Organics; Aldrich; Biosynth International, Inc.; Chem-Impex International, Inc.; Fluka; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Pfaltz & Bauer, Inc.; Sigma Chemical Company ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Fluka; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Saurefabrik Schweizerhall; SF-Chem;

ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Fluka; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Saurefabrik Schweizerhall; SF-Chem;

Organics; Advanced_ChemTech; AerChem Inc.; AIDP, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Ingredients, Inc.; American Radiolabeled Chemicals, Inc.; Amino GmbH; Amresco Inc.; Avatar Corporation; Biosynth International, Inc.; Buckton Scott Commodities Limited; CalbioChem - NovaBiochem Corporation; Changzhou Shenlong Bio-Engineering Co., Ltd.; Chem-Impex International, Inc.; ChemPacific; China Wellton Chemical; Chongqin Justit Industries Co., Ltd.; Dastech International Inc.; Davos Chemical Corporation; Degussa

Corporation; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.; Fabrichem, Inc.; Fisher Scientific; Fluka; Generichem Corp.; George Uhe Company, Inc.; Giellepi Chemicals ***SRL***; Gurvey & Berry Co. Inc.;

Hunan Shineway Enterprise Co., Ltd.; ICN Biomedical Research Products;

A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros

Aldrich; Fluka; Sigma Chemical Company

CO

CO

CO

TCI

Indofine Chemical Company, Inc.; Isotec Inc.; J.T. Baker; Karlan Research Products; Kyowa Hakko Kogyo Co., Ltd.; Lancaster Synthesis Inc.; Moravek Biochemicals Inc.; Nanjing Machinery, Metals, Minerals, Medicines & Health Products Import and Export Corporation; Noveon, Inc.; Omega Chemical Co., Inc.; Parchem Trading Ltd.; ***Peptide*** Institute, Inc.; Pfaltz & Bauer, Inc.; Research Organics; Ronas Chemicals Ind. Co., Ltd.; Seltzer Chemicals, Inc.; Shandong Zhenxing Chemical Industry Co., Ltd.; Shine Star (Hubei) Biological Engineering Co., Ltd.; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Spectrum Quality Products, Inc.; Stauber Performance Ingredients; TCI; Varsal Fine Chemicals, Inc.; Welding GmbH & Co.; Xiamen Xingda Import & Export Trading Co., Ltd. ***1994***

PY ***1994***
PY ***1994***
PY ***1994***
PY ***1993***
PY ***1993***

- TI Non- ***peptide*** fibrinogen receptor antagonists. 2. Optimization of a tyrosine template as a mimic for Arg-Gly-Asp
- TI Novel sulfonamide fibrinogen receptor antagonists
- TI Novel sulfonamide fibrinogen receptor antagonists
- TI Non- ***peptide*** fibrinogen receptor antagonists. 2. Optimization of a tyrosine template as a mimic for Arg-Gly-Asp
- TI Novel sulfonamide fibrinogen receptor antagonists
- TI Novel sulfonamide fibrinogen receptor antagonists
- TI Non- ***peptide*** fibrinogen receptor antagonists. 2. Optimization of a tyrosine template as a mimic for Arg-Gly-Asp
- TI A practical synthesis of fibrinogen receptor antagonist MK-383 Selective functionalization of (S)-tyrosine
- TI Process for preparing fibrinogen receptor antagonists
- TI Process for preparing fibrinogen receptor antagonists
- TI Process for preparing fibrinogen receptor antagonists
- TI A practical synthesis of fibrinogen receptor antagonist MK-383 Selective functionalization of (S)-tyrosine
- TI Process for preparing fibrinogen receptor antagonists
- L8 ANSWER 35 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE ON STN

AN 2003:295 SYNTHLINE

DN 149658

- CN Valaciclovir; Valacyclovir; ValACV; BW-256U; 256U87; Virval; Zelitrex; Valtrex
- CN L-Valine 2-(guanin-9-ylmethoxy)ethyl ester

RN 124832-26-4

RN 124832-27-5 (monoHCl)

MF C13 H20 N6 O4

MW 324.34

HDP Launched-1995

CO Aventis Pharma; GlaxoSmithKline; Shionogi; Theraplix

ED 15 May 2003

STRUCTURE:

/ BINARY DATA / Homing Pigeon 11.25.03002.TIF

- Acros Organics; Advanced ChemTech; Aldrich; Alfa Aesar; Chem-Impex International, Inc.; Fluka; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isochem, Groupe SNPE; KingChem Inc.; Lancaster Synthesis Inc.; Norchim S.A.; Pfaltz & Bauer, Inc.; Research Organics; Sigma Aldrich Library of Rare Chemicals; Sigma Chemical Company; Synthetech Inc.; TCI
- CO American Radiolabeled Chemicals, Inc.; Associacco Brasileira da Industria Farmoquimica (ABIQUIF); Dinamite Dipharma SpA; George Uhe Company, Inc.; ICM Industria Chimica Milanese SpA; ICN Biomedical Research Products; Interchem Corp.; Moravek Biochemicals Inc.; Pro.Bio.Sint SpA; Tessenderlo Chemie; Toronto Research Chemicals, Inc.; Zhejiang Xianju Charioteer

```
Pharmaceutical
       ABCR GmbH & Co.; Aceto Corporation; Acros Organics; Aldrich; Alfa Aesar;
 CO
       American Radiolabeled Chemicals, Inc.; Biosynth International, Inc.; Clariant Corporation; Eastman Chemical Company; Fluka; ICN Biomedical Research Products; Kessler Chemical, Inc.; Lancaster Synthesis Inc.; Lonza Ltd.; Nantong Acetic Acid Chemical Factory; Pfaltz & Bauer, Inc.; Pride
       Solvents & Chemical Co.; Priya Limited; Shanghai Chemical Co., Ltd. of
       Local and by-Product; Shenyang International Trade Group; Sigma Chemical
       Company; Surging Ahead Chemicals; TCI; The Nippon Synthetic Chemical
       Industry Co., Ltd. (Nippon Gohsei); Wacker-Chemie GmbH; Wilshire Chemical
       Co., Inc.; Zhangjiagang Hope Chemicals Co., Ltd.; Zhuhai Qiaoji overseas
       Trade Co., Ltd.
       American Radiolabeled Chemicals, Inc.; Associacco Brasileira da Industria Farmoquimica (ABIQUIF); Dinamite Dipharma SpA; George Uhe Company, Inc.; ICM Industria Chimica Milanese SpA; ICN Biomedical Research Products; Interchem Corp.; Moravek Biochemicals Inc.; Pro.Bio.Sint SpA; Tessenderlo Chemie; Toronto Research Chemicals, Inc.; Zhejiang Xianju Charioteer
CO
       Pharmaceutical Pharmaceutical
CO
       A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros
       Organics; Advanced ChemTech; AerChem Inc.; AIDP, Inc.; Ajinomoto - Amino
       Acid Department; Aldrich; Alfa Aesar; American Ingredients, Inc.; Amino
       GmbH; Amresco Inc.; Buckton Scott Commodities Limited; CalbioChem -
       NovaBiochem Corporation; CBC Nanning Cenway Bioengineering Co., Ltd.;
       Changzhou Shenlong Bio-Engineering Co., Ltd.; Chem-Impex International,
       Inc.; China Wellton Chemical; Degussa Corporation; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.; DSM Fine Chemicals Inc.; Fluka; Giellepi Chemicals ***SRL***; Gurvey & Berry Co. Inc.; Hunan Shineway
       Enterprise Co., Ltd.; ICN Biomedical Research Products; Indofine Chemical
       Company, Inc.; Isotec Inc.; Jiangsu Huachang Group Co., Ltd.; Karlan
       Research Products; Kyowa Hakko Kogyo Co., Ltd.; Lancaster Synthesis Inc.;
       Maybridge Chemical Company, Ltd., Moravek Biochemicals Inc.; Nanjing
       Machinery, Metals, Minerals, Medicines & Health Products Import and Export
       Corporation; Omega Chemical Co., Inc.;
                                                                 ***Peptide***
                                                                                       Institute, Inc.;
       Pfaltz & Bauer, Inc.; Priya Limited; Research Organics; Ronas Chemicals Ind. Co., Ltd.; Seltzer Chemicals, Inc.; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Sinochem Tianjin Imp. & Exp. Corporation;
       Spectrum Quality Products, Inc.; Stauber Performance Ingredients; TCI; Varsal Fine Chemicals, Inc.; Welding GmbH & Co.; Xiamen Xingda Import &
       Export Trading Co., Ltd.
          ***1992***
PY
PY
       2001
L8
       ANSWER 36 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE ON STN
AN
       2002:512
                         SYNTHLINE
DN
       202484
       Squalamine; MSI-1256F
3beta-(3-(4-Aminobutylamino)propylamino)-7alpha-hydroxy-24(R)-(sulfooxy)-
CN
CN
       5alpha-cholestane
       148717-90-2
RN
       320725-47-1 (lactate)
C34 H65 N3 O5 S
RN
MF
MW
       627.97
       Bone Diseases, Treatment of; Lung Cancer Therapy; Metabolic drugs;
Non-Small Cell Lung Cancer Therapy; Ocular medications; Oncolytic drugs
CC
       Ophthalmic Drugs; Ovarian Cancer Therapy; Prostate Cancer Therapy; Solid
       Tumors Therapy; Treatment of Age-Related Macular Degeneration;
       Angiogenesis Inhibitors; Inhibitors of Signal Transduction Pathways;
       Mitogen-Activated_Protein (MAP) Kinase Inhibitors; Na+/H+ Exchange
       Inhibitors; Vascular Endothelial Growth Factor (VEGF) Inhibitors
HDP
       Phase II
STA
      Actively Investigated
       Genaera; Genaera
CO
ED
       15 Aug 2002
STRUCTURE:
/ BINARY DATA / Homing Pigeon 11.25.03003.TIF
```

ABCR GmbH & Co.; Acros Organics; Aldrich; BASF Chemical Intermediates; Fluka; ICN Biomedical Research Products; Koei Chemical Company, Ltd;

Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Sigma Chemical Company;

Acima AG; Acros Organics; Aldrich; Chemisphere Limited; Digital Specialty

Acros Organics; Aldrich; Alfa Aesar; Fluka; King's Research, Inc.;

Sigma Chemical Company; SynChem, Inc.

Lancaster Synthesis Inc.; Narchem Corporation

CO

CO

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Chemicals, Inc.; Dishman Pharmaceuticals & Chemicals Ltd.; Fluka; Hokko
Chemical Industry Co., Ltd. - Fine Chemicals Division; ICN Biomedical
Research Products; Lancaster Synthesis Inc.; Oakwood Products, Inc.;
Pfaltz & Bauer, Inc.; Shanghai Pudong New Area Li Cheng Industry; Strem Chemicals, Inc.; TCI
Aldrich; KingChem Inc.; Pfaltz & Bauer, Inc.; Sigma Aldrich Library of
Rare Chemicals; Sigma Chemical Company; Spectrum Quality Products, Inc.;
SynChem, Inc.; TCI
Fluka; Sigma Chemical Company; Steraloids, Inc.
A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros
Organics; Advanced ChemTech; AerChem Inc.; AIDP, Inc.; Ajinomoto - Amino
Acid Department; Aldrich; Alfa Aesar; American Ingredients, Inc.; Amino
GmbH; Amresco Inc.; Buckton Scott Commodities Limited; CalbioChem -
NovaBiochem Corporation; CBC Nanning Cenway Bioengineering Co., Ltd.;
Changzhou Shenlong Bio-Engineering Co., Ltd.; Chem-Impex International, Inc.; China Wellton Chemical; Degussa Corporation; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.; DSM Fine Chemicals Inc.; Fluka;
Giellepi Chemicals
                         ***SRL****
                                      ; Gurvey & Berry Co. Inc.; Hunan Shineway
Enterprise Co., Ltd.; ICN Biomedical Research Products; Indofine Chemical
Company, Inc.; Isotec Inc.; Jiangsu Huachang Group Co., Ltd.; Karlan
Research Products; Kyowa Hakko Kogyo Co., Ltd.; Lancaster Synthesis Inc.;
Maybridge Chemical Company, Ltd.; Moravek Biochemicals Inc.; Nanjing
Machinery, Metals, Minerals, Medicines & Health Products Import and Export
Corporation; Omega Chemical Co., Inc.;
                                                ***Peptide***
                                                                  Institute, Inc.;
Pfaltz & Bauer, Inc.; Priya Limited; Research Organics; Ronas Chemicals Ind. Co., Ltd.; Seltzer Chemicals, Inc.; Sichuan Sangao Biochemical Co.,
Ltd.; Sigma Chemical Company; Sinochem Tianjin Imp. & Exp. Corporation;
Spectrum Quality Products, Inc.; Stauber Performance Ingredients; TCI; Varsal Fine Chemicals, Inc.; Welding GmbH & Co.; Xiamen Xingda Import &
Export Trading Co., Ltd.
ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; BASF Chemical
Intermediates; Fluka; ICN Biomedical Research Products; Indofine Chemical
Company, Inc.; Koei Chemical Company, Ltd; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Sigma Chemical Company; TCI
ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Contract Chemicals
Ltd.; Dolder Ltd.; Fluka; ICN Biomedical Research Products; Lancaster
Synthesis Inc.; Narchem Corporation; Pfaltz & Bauer, Inc.; Raschig GmbH;
Sigma Chemical Company; TCI; Tosoh Corporation; Wuhan Organic Chemical Industries; Wuhan Youji Industrial Company Limited; Wujin Jiangnan Fine
Chemical Plant
Acros Organics; Aldrich; Alfa Aesar; Digital Specialty Chemicals, Inc.;
ICN Biomedical Research Products; Lancaster Synthesis Inc.
   ***1995***
  ***1994***
  ***1994***
  ***1994***
  ***1994***
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2002
ANSWER 37 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE ON STN
2002:26
              SYNTHLINE
200002
100240; M-100240; MDL-100240
(4s,7s,12bR)-7-(2(s)-(Acetylsulfanyl)-3-phenylpropionamido)-6-oxo-
1,2,3,4,6,7,8,12b-octahydropyrido(2,1-a)(2)benzazepine-4-carboxylic acid
142695-08-7
C26 H28 N2 O5 S
Cardiovascular drugs; Heart Failure Therapy; Hypertension, Treatment of;
ACE Inhibitors; Neprilysin Inhibitors
Phase II
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C0

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PY PY

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PY PY

PY PY

PY

PY PY

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DΝ

CN

CN

RN MF

MW CC

HDP

1987

2002

PY PY

STRUCTURE:

/ BINARY DATA / Homing Pigeon 11.25.03004.TIF AAE Chemie n.v.; ABCR GmbH & Co.; AccuStandard; Acros Organics; Aldrich; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Analytyka; Aurowin Enterprise; Borden & Remington Corporation; Chaozhou Yuedong Chemical & Light Industrial; Chem-Impex International, Inc.; Coleman Chemical Inc.; Crescent Organics Ltd.; Division Petrochimique Arfeen International (Pvt) Limited; Exim Corporation; Filo Chemical Incorporated; Fluka; FRP Services & Company; Gadiv Petrochemical Industries Ltd.; GFS Chemicals; Harcros Chemicals Inc.: Herdillia Chemicals Ltd.; TC Trading Company, Inc.: TCN Chemicals Inc.; Herdillia Chemicals Ltd.; IC Trading Company, Inc.; ICN Biomedical Research Products; Interstate Chemical Co., Inc.; Isca Limited; Isotec Inc.; J.T. Baker; Jayman Industries; KIC Chemicals, Inc.; Kingsfield Inc.; Lancaster Synthesis Inc.; Linkers Far East Pte. Ltd.; Mays Chemical Company, Inc.; Mitsubishi Gas Chemical Company, Inc.; Neste Oxo AB; Nippon Shokubai Co., Ltd.; Oltchim Romania; Parchem Trading Ltd.; PCL oils & Solvents Ltd.; Pfaltz & Bauer, Inc.; Pt. Eterindo Wahanatama Tbk.; Rierden Chemical & Trading Company; Scharlau Laboratory Chemicals; Shanghai Haifan Industrial Corporation; Shijiazhuang Bailong Chemical Co., Ltd.; Shree Ambica Group of Companies; Sigma Chemical Company; Spectrum Quality Products, Inc.; Thirumalai Chemicals Ltd.; Tianjin Chemical Reagent Co., Inc.; Tianjin Chemical Reagent No. 1 Plant; TR International Trading Company. Inc.: U. S. Chemicals. Inc.: U-Jin Chemical Co., Ltd.: Trading Company, Inc.; U. S. Chemicals, Inc.; U-Jin Chemical Co., Ltd.; Ultimate Chem (India) Pvt. Ltd.; Vinmar International, Ltd.; Vitusa Products, Inc.; Voigt Global Distribution; Xinglu Chemical Co., Ltd.; Zaklady Azotowe Kedzierzyn SA ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Aslchem International Inc.; BASF Chemical Intermediates; Fluka; Hao Rui Enterprises Limited; ICN Biomedical Research Products; Kawaken Fine Chemicals; Lancaster Synthesis Inc.; Mallinckrodt Laboratory Chemicals; Omega Chemical Co., Inc.; Orichem International Ltd.; Pfaltz & Bauer, Inc.; Roschem Pacific Group; Sigma Chemical Company; Spectrum Quality Products, Inc.; TCI A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros CO Organics; Advanced ChemTech; AerChem Inc.; AIDP, Inc.; Air Products & Chemicals, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Amino GmbH; Amresco Inc.; Applichem GmbH; Beijing Jianli Pharmaceutical Co., Ltd.; Buckton Scott Commodities Limited; CalbioChem - NovaBiochem Corporation; Carbomer; Changzhou Changmao Biochemical Engineering Corporation; Carbomer; Changzhou Changmao Biochemical Engineering; Changzhou Shenlong Bio-Engineering Co., Ltd.; Chem-Impex International, Inc.; ChemPacific; China Wellton Chemical; Coleman Chemical Inc.; Degussa Corporation; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.; DSM Fine Chemicals Inc.; Fisher Scientific; Fluka; Giellepi Chemicals

SRL ; Gurvey & Berry Co. Inc.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isotec Inc.; J.T. Baker; Kaneka
Corporation - Fine Chemicals Division; Karlan Research Products; Kyowa Hakko Kogyo Co., Ltd.; Lancaster Synthesis Inc.; Mallinckrodt Laboratory Chemicals; Mitsubishi Rayon Fine Chemicals; Moravek Biochemicals Inc.; Nanjiang Tiancheng Biochemical Engineering Co., Ltd.; NSC Technologies; Omega Chemical Co., Inc.; ***Peptide*** Institute, Inc.; Pfaltz & Bauer, Inc.; Research Organics; Ronas Chemicals Ind. Co., Ltd.; Saniver Limited; Seltzer Chemicals, Inc.; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Spectrum Quality Products, Inc.; Stauber'
Performance Ingredients; Sunrise Chemical Co., Ltd.; TCI; Welding GmbH & Co. Fluka; Sigma Chemical Company; TCI CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Cambrex Corporation; Davos Chemical Corporation; Dolder Ltd.; Fluka; Frinton Laboratories; ICN CO Biomedical Research Products; Lancaster Synthesis Inc.; Narchem Corporation; PCAS; Pfaltz & Bauer, Inc.; S.I.M.S. s.r.l.; TCI CO ABCR GmbH & Co.; Aldrich; Callery Chemical Company; Fluka; Lancaster Synthesis Inc.; Strem Chemicals, Inc.; TCI CO Fluka; Sigma Chemical Company; TCI PΥ 1999 PY 2002 PΥ ***1987*** PY 1999 PΥ 2002 PY

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***1993***
            2002
 PY
            2002
 PY
            ANSWER 38 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE ON STN
 L8
            2001:399
                                         SYNTHLINE
 AN
 DN
 CN
            Ioxipride; NCQ-298
             (-)-(S)-N-(1-Ethyl-2-pyrrolidinylmethyl)-2-hydroxy-3-iodo-5,6-
 ÇN
            dimethoxybenzamide
 RN
            124929-13-1 ((125I)-labeled); 124929-10-8 ((123I)-labeled)
            C16 H23 I N2 O4
 MF
 MW
            434.28
 CC
            Pharmacological tools; Dopamine D2 Antagonists
            Preclinical
HDP
 CO
            AstraZeneca
 ED
            16 Mar 2001
STRUCTURE:
 / BINARY DATA / Homing Pigeon 11.25.03005.TIF
            Acros Organics; Advance Scientific & Chemical, Inc.; Ajay North America,
            LLC.; Aldrich; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Charkit
           Chemical Corporation; Chemisphere Limited; Deepwater Chemicals; DSM Fine Chemicals Inc.; Fluka; Gayatri Laboratories Pvt. Ltd.; George Uhe Company, Inc.; GFS Chemicals; Graham Chemical Corporation; H&S Chemical Co. Inc.; ICN Biomedical Research Products; Isotec Inc.; J.T. Baker; Lancaster Synthesis Inc.; Lancaster Synthesis Inc.; Lancaster Inc.; La
            Bauer, Inc.; Salvi Chemical Industries; Sigma Chemical Company; Simafex;
            Spectrum Quality Products, Inc.; TCI
            A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros
CO
            Organics; Advanced ChemTech; AerChem Inc.; Air Products & Chemicals, Inc.;
            Ajinomoto - Amino Acid Department; Aldrich; Aldrich Flavors and
            Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Amresco
           Inc.; Applichem GmbH; Beijing Jianli Pharmaceutical Co., Ltd.; Biosynth International, Inc.; Buckton Scott Commodities Limited; CalbioChem - NovaBiochem Corporation; Changzhou Shenlong Bio-Engineering Co., Ltd.; Chem-Impex International, Inc.; ChemPacific; China Wellton Chemical; Coleman Chemical Inc.; Degussa Corporation; DNP International Co., Inc.;
           Donboo Amino Acid Company Ltd.; Fisher Scientific; Fluka; Giellepi
Chemicals ***SRL***; Gurvey & Berry Co. Inc.; Hunan Shineway
           Enterprise Co., Ltd.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isotec Inc.; Jiangsu Huachang Group Co., Ltd.; Karlan
            Research Products; KingChem Inc.; Kyowa Hakko Kogyo Co., Ltd.; Lancaster
            Synthesis Inc.; Moravek Biochemicals Inc.; Nanjing Machinery, Metals,
           Minerals, Medicines & Health Products Import and Export Corporation; Omega
                                                             ***Peptide***
            Chemical Co., Inc.;
                                                                                                 Institute, Inc.; Pfaltz & Bauer,
           Inc.; PHT International, Inc.; Research Organics; Ronas Chemicals Ind. Co., Ltd.; Saniver Limited; Seltzer Chemicals, Inc.; SiberHegner GmbH; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Spectrum Quality Products, Inc.; Star Lake Bioscience Co. Inc.; Stauber Performance
           Ingredients; Sunrise Chemical Co., Ltd.; TCI; Varsal Fine Chemicals, Inc.; Welding GmbH & Co.; Xiamen Mchem Group; Zhangjiagang Amino Acids Co., Ltd.
CO
           Acros Organics; FAR Research; Orgasynth; TCI
CO
           TCI
CO
                ~**1990***
PY
               ***1991***
PY
               ***1989***
PY
PY
                ***1987***
PY
               ***1991***
L8
           ANSWER 39 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE ON STN
AN
           2001:391
                                        SYNTHLINE
DN
           144299
CN
           FLB-463
CN
            (S)-(-)-3-Bromo-N-(1-ethyl-2-pyrrolidinylmethyl)-2-hydroxy-5,6-
           dimethoxybenzamide
RN
           101460-66-6
RN
           125198-22-3
                                        (mesylate salt)
MF
           C16 H23 Br N2 04
           387.28
MW
CC
           Antipsychotic Drugs; Psychopharmacologic drugs; Dopamine D2 Antagonists
HDP
           Preclinical
CO
           AstraZeneca
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STRUCTURE:

```
' BINARY DATA / Homing Pigeon 11.25.03006.TIF
       Acros Organics; Advance Scientific & Chemical, Inc.; Ajay North America, LLC.; Aldrich; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Charkit
        Chemical Corporation; Chemisphere Limited; Deepwater Chemicals; DSM Fine
        Chemicals Inc.; Fluka; Gayatri Laboratories Pvt. Ltd.; George Uhe Company,
        Inc.; GFS Chemicals; Graham Chemical Corporation; H&S Chemical Co. Inc.;
        ICN Biomedical Research Products; Isotec Inc.; J.T. Baker; Lancaster
        Synthesis Inc.; Lansdowne Chemicals Plc.; NIPA Hardwicke Inc.; Pfaltz &
        Bauer, Inc.; Salvi Chemical Industries; Sigma Chemical Company; Simafex;
       Spectrum Quality Products, Inc.; TCI

A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros
Organics; Advanced ChemTech; AerChem Inc.; Air Products & Chemicals, Inc.;
Ajinomoto - Amino Acid Department; Aldrich; Aldrich Flavors and
Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Amresco
Inc.; Applichem GmbH; Beijing Jianli Pharmaceutical Co., Ltd.; Biosynth
International, Inc.; Buckton Scott Commodities Limited; CalbioChem -
NovaBiochem Corporation: Changzhou Shenlong Rio-Engineering Co.
CO
        NovaBiochem Corporation; Changzhou Shenlong Bio-Engineering Co., Ltd.;
       Chem-Impex International, Inc.; ChemPacific; China Wellton Chemical; Coleman Chemical Inc.; Degussa Corporation; DNP International Co., Inc.;
        Donboo Amino Acid Company Ltd.; Fisher Scientific; Fluka; Giellepi
                          ***SRL*** ; Gurvey & Berry Co. Inc.; Hunan Shineway
        Chemicals
        Enterprise Co., Ltd.; ICN Biomedical Research Products; Indofine Chemical
       Company, Inc.; Isotec Inc.; Jiangsu Huachang Group Co., Ltd.; Karlan Research Products; KingChem Inc.; Kyowa Hakko Kogyo Co., Ltd.; Lancaster Synthesis Inc.; Moravek Biochemicals Inc.; Nanjing Machinery, Metals, Minerals, Medicines & Health Products Import and Export Corporation; Omega
        Chemical Co., Inc.;
                                          ***Peptide***
                                                                   Institute, Inc.; Pfaltz & Bauer,
        Inc.; PHT International, Inc.; Research Organics; Ronas Chemicals Ind.
        Co., Ltd.; Saniver Limited; Seltzer Chemicals, Inc.; SiberHegner GmbH;
        Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Spectrum
       Quality Products, Inc.; Star_Lake Bioscience Co. Inc.; Stauber Performance
       Ingredients; Sunrise Chemical Co., Ltd.; TCI; Varsal Fine Chemicals, Inc.; Welding GmbH & Co.; Xiamen Mchem Group; Zhangjiagang Amino Acids Co., Ltd.
CO
       Acros Organics; FAR Research; Orgasynth; TCI
CO
        TCI
CO
       TCI
           ***1990***
PY
          ***1991***
PY
          ***1989***
PY
          ***1987***
PY
L8
        ANSWER 40 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE ON STN
        2001:353
ΑN
                           SYNTHLINE
DN
        271184
CN
        (15,25,45)-N-(1,4-Dibenzyl-2-hydroxy-4-(2-(2-pyridinylmethoxycarboxamido)b
        enzamido)butyl)carbamic acid thiazol-5-ylmethyl ester
MF
        C37 H37 N5 O6 S
MW
        679.79
       AIDS Medicines; Antiinfective therapy; HIV Protease Inhibitors
CC
HDP
       Preclinical
CO
       National Cancer Institute
ED
        23 Feb 2001
STRUCTURE:
/ BINARY DATA / Homing Pigeon 11.25.03007.TIF
       A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros
Organics; Advanced ChemTech; AerChem Inc.; AIDP, Inc.; Air Products &
Chemicals, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Aldrich
Flavors and Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.;
Amino GmbH; Amresco Inc.; Applichem GmbH; Beijing Jianli Pharmaceutical
Co., Ltd.; Buckton Scott Commodities Limited; CalbioChem - NovaBiochem
       Corporation; Carbomer; Changzhou Changmao Biochemical Engineering
       Changzhou Shenlong Bio-Engineering Co., Ltd.; Chem-Impex International,
        Inc.; ChemPacific; China Wellton Chemical; Coleman Chemical Inc.; Degussa
       Corporation; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.; DSM Fine Chemicals Inc.; Fisher Scientific; Fluka; Giellepi Chemicals
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SRL ; Gurvey & Berry Co. Inc.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isotec Inc.; J.T. Baker; Kaneka Corporation - Fine Chemicals Division; Karlan Research Products; Kyowa

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Hakko Kogyo Co., Ltd.; Lancaster Synthesis Inc.; Mallinckrodt Laboratory
        Chemicals; Mitsubishi Rayon Fine Chemicals; Moravek Biochemicals Inc.;
        Nanjiang Tiancheng Biochemical Engineering Co., Ltd.; NSC Technologies; Omega Chemical Co., Inc.; ***Peptide*** Institute, Inc.; Pfaltz &
        Omega Chemical Co., Inc.;
                                                                                     Institute, Inc.; Pfaltz &
        Bauer, Inc.; Research Organics; Ronas Chemicals Ind. Co., Ltd.; Saniver Limited; Seltzer Chemicals, Inc.; Sichuan Sangao Biochemical Co., Ltd.;
        Sigma Chemical Company; Spectrum Quality Products, Inc.; Stauber
        Performance Ingredients; Sunrise Chemical Co., Ltd.; TCI; Welding GmbH &
        1998
            ***1994***
        ANSWER 41 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE ON STN
        2001:132
                               SYNTHLINE
        090782
        Nabutan hyrochloride; Nabitan hydrochloride; SP-106; Abbott-4056; NIB; BPP (rac)-8-(3-Methyl-2-octyl)-1,3,4,5-tetrahydro-5,5-dimethyl-2-(2-propynyl)-2H-(1)benzopyrano(4,3-c)pyridin-10-yl 1-piperidinebutyrate hydrochloride;
        1-Piperidinebutanoic acid 8-(1,2-dimethylheptyl)-1,3,4,5-tetrahydro-5,5-dimethyl-2-(2-propynyl)-2H-(1)benzopyrano(4,3-c)pyridin-10-yl ester
        hydrochloride; 5,5-Dimethyl-8-(3-methyl-2-octyl)-10-(4-(1-piperidyl)butyryloxy)-2-(2-propynyl)-1,2,3,4-tetrahydro-5H-
         (1)benzopyrano(3,4-d)pyridine hydrochloride
        49637-08-3
        66556-74-9
                             (free base)
        C35 H52 N2 O3 . C1 H
585.27
        Phase II
        Abbott; Sisa
26 Jan 2001
STRUCTURE:
/ BINARY DATA / Homing Pigeon 11.25.03008.TIF
        Acros Organics; Advanced ChemTech; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.; BASF Chemical Intermediates; Bharat Jyoti; Cambrex Corporation; Catapharma
        (India) Pvt. Ltd.; Chem-Impex International, Inc.; D&O Chemicals, Inc.; Fisher Scientific; Fluka; Jubilant Organosys Limited; Koei Chemical Company, Ltd; Lancaster Synthesis Inc.; Lansdowne Chemicals Plc.; Omega Chemical Co., Inc.; Raschig GmbH; Reilly Industries, Inc.; Robinson Brothers Limited; Rutherford Chemicals; Schweizerhall Pharma; Sigma
        Chemical Company; Spectrum Quality Products, Inc.; SynPep Corporation;
        TCI; Vam Organic Chemicals Ltd.; Vasudha Pharma Chem Limited
ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; AlliedSignal Inc.
        Specialty Chemicals; Biosynth International, Inc.; Chemada Fine Chemicals; Esprit Chemical Company; Fluka; Indofine Chemical Company, Inc.; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Sigma Chemical Company; Spectrum
        Quality Products, Inc.; TCI; Tosoh Corporation; Wychem Limited
        ABCR GmbH & Co.; Acros Organics; Advanced ChemTech; Aldrich; Alfa Aesar; Asymchem; Changzhou Friendship Fine Chemicals; Chemate Fine Chemicals - Shanghai Chemate International Trading Ltd.; Chem-Impex International, Inc.; Davos Chemical Corporation; Dolder Ltd.; Fluka; Foyo Pharmaceutical and Chemical Co., Ltd.; Giellepi Chemicals ***SRL***; Hengdian Group;
        Huangyan Tianyu Chemical Factory; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; J.T. Baker; KingChem Inc.; Kunshan Shipu
        Niansha Auxilary Agent; Lancaster Synthesis Inc.; Mallinckrodt Laboratory Chemicals; Omega Chemical Co., Inc.; ***Peptide*** Institute, Inc.;
        Pfaltz & Bauer, Inc.; PHT International, Inc.; Rising Pharmaceutical
        International Co., Ltd.; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Spectrum Quality Products, Inc.; SpeedChem Company; TCI; Ubichem plc; Xinchem Group; Xinchem Company; Zibo Jincheng Industry
        Co., Ltd. Chemical Factory
***1980***
            ***1976***
        ANSWER 42 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE ON STN
        2000:1833
                                 SYNTHLINE
        207282
        Ritonavir; A-84538; ABT-538; Norvir
        N-(N-(2-Isopropylthiazol-4-ylmethyl)-N-methylcarbamoyl)-L-valine
        1(s)-benzy1-3(s)-hydroxy-5-pheny1-4(s)-(thiazo1-5-
        ylmethoxycarbonylamino)pentylamide
        155213-67-5
        C37 H48 N6 O5 S2
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RN ME MW 720.96

- CC AIDS Medicines; Anti-HIV Agents; Antiinfective therapy; HIV Protease Inhibitors
- HDP Launched-1996
- CO Abbott; Dainippon Pharmaceutical
- ED 12 Dec 2000

STRUCTURE:

/ BINARY DATA / Homing Pigeon 11.25.03009.TIF

- CO Aldrich; Chemada Fine Chemicals; Eurolabs Limited; Fluka; George Uhe Company, Inc.; Lancaster Synthesis Inc.; Loba Feinchemie AG; Wilshire Chemical Co., Inc.

 CO Advanced Chemical; Chem-Impex International, Inc.; Fluka;
- CO Advanced ChemTech; Aldrich; Chem-Impex International, Inc.; Fluka; Indofine Chemical Company, Inc.; Lancaster Synthesis Inc.; NSC Technologies; Synthetech Inc.
- CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Boron Molecular Pty Ltd; Boulder Scientific Company; ChemPur Feinchemikalien und Forschungsbedarf GmbH; Combi-Blocks, Inc.; Digital Specialty Chemicals, Inc.; Fluka; Frontier Scientific, Inc.; ICN Biomedical Research Products; Lancaster Synthesis Inc.; Optima Chemical Group LLC; Pfaltz & Bauer, Inc.; Sanhe Chemport Chemicals Co.; Sigma Chemical Company; Spectrum Quality Products, Inc.; Strem Chemicals, Inc.; Syngene; TCI; Varsal Fine Chemicals
- Products, Inc.; Strem Chemicals, Inc.; Syngene; TCI; Varsal Fine Chemicals, Inc.; Whyte Chemicals Limited; Xinchem Company

 Acros Organics; AerChem Inc.; Aldrich; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Amresco Inc.; Applichem GmbH; BASF Chemical Intermediates; BKM Resources Inc.; Caledon Laboratories Limited; Electron Microscopy Services; Fisher Scientific; Fluka; GFS Chemicals; ICN Biomedical Research Products; Isotec Inc.; J.T. Baker; Jiangsu Xinya Chemical Group Co.; Kemira Fine Chemicals Oy; Lancaster Synthesis Inc.; Mallinckrodt Laboratory Chemicals; Merck KGaA; Midland Scientific, Inc.; Newton Group of Companies; Pechiney Chemicals Division; Pfaltz & Bauer, Inc.; Research Organics; Rierden Chemical & Trading Company; Sigma Chemical Company; Spectrum Quality Products, Inc.; TCI; Thomas Scientific; USB Corporation; Xiamen Mchem Group; Zhuhai Qiaoji Overseas Trade Co., Ltd.
- CO ABCR GmbH & Co.; Aceto Corporation; Acros Organics; Aldrich; Alfa Aesar; Clariant Corporation; Fem Care Pharma Ltd.; Fluka; Graham Chemical Corporation; Kessler Chemical, Inc.; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Rhodia Fine Organics; Spectrum Quality Products, Inc.; TCI; Tessenderlo Fine Chemicals
- CO ABCR GmbH & Co.; Acros Organics; Advance Scientific & Chemical, Inc.; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Aslchem International Inc.; Fluka; Haarmann & Reimer; ICN Biomedical Research Products; J.T. Baker; Lancaster Synthesis Inc.; Oxford Chemicals Limited; Pfaltz & Bauer, Inc.; Rhodia Fine Organics; Sigma Chemical Company; Spectrum Quality Products, Inc.; Taizhou Donghai Chemical Co., Ltd.; TCI
- CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Bayer Corporation; Biddle Sawyer Corporation; Chem-Impex International, Inc.; Fluka; Great Lakes Chemical Corp.; H.W. Sands Corporation; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isochem, Groupe SNPE; Lancaster Synthesis Inc.; Organix, Inc.; Pfaltz & Bauer, Inc.; PPG-Sipsy; Sigma Chemical Company; SNPE Chemicals, GRoups SNPE; Spectrum Quality Products, Inc.; TCI
- CO ABCR GmbH & Co.; Aceto Corporation; Acros Organics; Aldrich; Alfa Aesar; Bright Evergreen Pte. Ltd.; Changzhou Hi-Tech Chemicals Limited; Changzhou New Area Jili Chemical Co., Ltd.; Changzhou Xinhua Chemical Product Co., Ltd.; D&O Chemicals, Inc.; Fluka; Foyo Pharmaceutical and Chemical Co., Ltd.; Goldmont Chemicals Corporation; JXMEC (Shenzhen) Enterprise Development Co., Ltd.; KingChem Inc.; Lancaster Synthesis Inc.; Maybridge Chemical Company, Ltd.; Olympus Services, LLC.; Pfaltz & Bauer, Inc.; Seal Sands Chemicals Limited; Spectrum Quality Products, Inc.; SpeedChem Company; TCI; Trustchem Co., Ltd.; Wacker-Chemie GmbH; Wilshire Chemical Co., Inc.; Wujin Medicine Raw Material Chemical Factory; Zhuhai Qiaoji Overseas Trade Co., Ltd.
- ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Bayer Corporation; Biddle Sawyer Corporation; Chem-Impex International, Inc.; Fluka; Great Lakes Chemical Corp.; H.W. Sands Corporation; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isochem, Groupe SNPE; Lancaster Synthesis Inc.; Organix, Inc.; Pfaltz & Bauer, Inc.; PPG-Sipsy; Sigma Chemical Company; SNPE Chemicals, GRoups SNPE; Spectrum Quality Products, Inc.; TCI
- CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Richman Chemical Inc.; Spectrum Quality Products, Inc.; TCI

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CO
       Sigma Aldrich Library of Rare Chemicals
      A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros Organics; Advanced ChemTech; AerChem Inc.; AIDP, Inc.; Air Products & Chemicals, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.;
CO
       Amino GmbH; Amresco Inc.; Applichem GmbH; Beijing Jianli Pharmaceutical Co., Ltd.; Buckton Scott Commodities Limited; CalbioChem - NovaBiochem
       Corporation; Carbomer; Changzhou Changmao Biochemical Engineering
       Changzhou Shenlong Bio-Engineering Co., Ltd.; Chem-Impex International,
       Inc.; ChemPacific; China Wellton Chemical; Coleman Chemical Inc.; Degussa
       Corporation; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.; DSM Fine Chemicals Inc.; Fisher Scientific; Fluka; Giellepi Chemicals
      ***SRL*** ; Gurvey & Berry Co. Inc.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isotec Inc.; J.T. Baker; Kaneka Corporation - Fine Chemicals Division; Karlan Research Products; Kyowa
       Hakko Kogyo Co., Ltd.; Lancaster Synthesis Inc.; Mallinckrodt Láboratory
Chemicals; Mitsubishi Rayon Fine Chemicals; Moravek Biochemicals Inc.;
       Nanjiang Tiancheng Biochemical Engineering Co., Ltd.; NSC Technologies;
                                             ***Peptide***
       Omega Chemical Co., Inc.;
                                                                   Institute, Inc.; Pfaltz &
       Bauer, Inc.; Research Organics; Ronas Chemicals Ind. Co., Ltd.; Saniver
       Limited; Seltzer Chemicals, Inc.; Sichuan Sangao Biochemical Co., Ltd.;
       Sigma Chemical Company; Spectrum Quality Products, Inc.; Stauber
       Performance Ingredients; Sunrise Chemical Co., Ltd.; TCI; Welding GmbH &
       ABCR GmbH & Co.; Acros Organics; Aldrich; Aldrich Flavors and Fragrances;
CO
      Alfa Aesar; Brainerd Chemical Company, Inc.; Fluka; FrutArom Ltd (aroma chemicals); ICN Biomedical Research Products; Lancaster Synthesis Inc.; Mallinckrodt Laboratory Chemicals; Pfaltz & Bauer, Inc.; Sigma Chemical
       Company; TCI
CO
       Advanced ChemTech; Aldrich; Chem-Impex International, Inc.; Indofine
       Chemical Company, Inc.; NSC Technologies; Synthetech Inc.
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       ANSWER 43 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE ON STN
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AN
       2000:1746
                         SYNTHLINE
DN
       194644
CN
       Pregabalin; CI-1008; PD-144723
CN
       (+)^{-4}-Amino-3(S)-isobutylbutyric acid; (+)-(S)-3-Isobutyl-GABA;
       3(S)-(Aminomethyl)-5-methylhexanoic acid
       148553-50-8
RN
       C8 H17 N 02
MF
      159.23
MW
      Analgesic and anesthetic drugs; Analgesic Drugs; Antiepileptic Drugs;
CC
      Anxiolytics; Diabetic Neuropathy, Agents for; Endocrine drugs; Fibromyalgia, Treatment of; Generalized Anxiety Disorder (GAD), Treatment
      of; Neurologic drugs; Neurologic Drugs (Miscellaneous); Neuropathic Pain,
      Treatment of; Psychopharmacologic drugs; Sensation Disorders,
      of; Social Phobia, Treatment for; Treatment of Diabetic Complications;
      Other Drugs Acting on GABA-Mediated Transmission
      Pre-Registered
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STRUCTURE:

Pfizer 12 Dec 2000

Actively Investigated

HDP STA

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/ BINARY DATA / Homing Pigeon 11.25.03010.TIF ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Contract Chemicals Ltd.; Davos Chemical Corporation; Epsilon Chimie; Eurolabs Limited; Fluka; Great Lakes Chemical Corp.; Indofine Chemical Company, Inc.; King's Research, Inc.; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Purecha Group; Sigma Chemical Company; Sinobrom Limited; TCI C0

ABCR GmbH & Co.; Acros Organics; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; Alltech Associates, Inc.; American Radiolabeled Chemicals, Inc.; Bedoukian Research, Inc.; Davos Chemical Corporation; Fluka; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isotec Inc.; Lancaster Synthesis Inc.; Oakwood Products, Inc.; PCAS; Pfaltz &

Bauer, Inc.; Sigma Chemical Company; Spectrum Quality Products, Inc.; TCI PCAS; Pfaltz & Bauer, Inc. CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Alliedsignal Inc. CO Specialty Chemicals; American Radiolabeled Chemicals, Inc.; Chemada Fine Chemicals; Contract Chemicals Ltd.; Davos Chemical Corporation; Fine & Performance Chemicals Ltd.; Fluka; ISP Fine Chemicals; King's Research, Inc.; Lancaster Synthesis Inc.; Maybridge Chemical Company, Ltd.; Omega Chemical Co., Inc.; PCAS; Pfaltz & Bauer, Inc.; Purecha Group; Sigma Chemical Company; Sinobrom Limited; Spectrum Quality Products, Inc.; TCI CO ABCR GmbH & Co.; Acros Organics; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; Alltech Associates, Inc.; American Radiolabeled Chemicals, Inc.; Bedoukian Research, Inc.; Dayos Chemical Corporation; Fluka; ICN Biomédical Research Products; Índofine Chemical Company, Inc.; Isótec Inc.; Lancaster Synthesis Inc.; Oakwood Products, Inc.; PCAS; Pfaltz & Bauer, Inc.; Sigma Chemical Company; Spectrum Quality Products, Inc.; TCI PCAS; Pfaltz & Bauer, Inc. CO ABCR GmbH & Co.; Aceto Corporation; Acros Organics; Advance Scientific & Chemical, Inc.; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Biddle Sawyer Corporation; CO Boehringer Ingelheim GMBH; Changzhou Foreign Trade Corporation; Changzhou United Chemical Co., Ltd.; China Jiangsu Medicines & Health Products I/E (Group) Corporation; China National Chemical Construction Corporation; CreaNova, Inc.; Davos Chemical Corporation; Filo Chemical Incorporated; Fluka; G.J. Chemical Company, Inc.; Graham Chemical Corporation; Grau Aromatics GmbH & Co. KG; Huantai Xinhua Fine Chemical Co., Ltd.; ICN Biomedical Research Products; Isotec Inc.; Kessler Chemical, Inc.;
Lancaster Synthesis Inc.; Lonza Ltd.; Mallinckrodt Laboratory Chemicals;
Midland Scientific, Inc.; Moravek Biochemicals Inc.; Pfaltz & Bauer, Inc.;
PHT International, Inc.; Red Star Chemical Plant; Roschem Pacific Group;
Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Sinochem
Jiangsu Wuxi Imp. & Exp. Corporation; Spectrum Quality Products, Inc.;
TCT: Tianiin Pongli Welfare Organic Chemical Plant: Ubichem plc: Weifang TCI; Tianjin Dongli Welfare Organic Chemical Plant; Ubichem plc; Weifang Common Chem Co., Ltd.; Wilshire Chemical Co., Inc.; Xi'an Lijian Chemical Co., Ltd.; Xinchem Company; Zhuhai Qiaoji Overseas Trade Co., Ltd. ABCR GmbH & Co.; Acros Organics; Aldrich; Aldrich Flavors and Fragrances; CO Alfa Aesar; Bedoukian Research, Inc.; Celanese, Ltd.; Davos Chemical Corporation; Elan Chemical Company, Inc.; Fluka; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Lancaster Synthesis Inc.;
Pfaltz & Bauer, Inc.; Sigma Chemical Company; TCI; Toyo Gosei Co., Ltd.
A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros
Organics; Advanced ChemTech; AerChem Inc.; AIDP, Inc.; Air Products &
Chemicals, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Aldrich
Flavors and Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.;
Amino CmbH: Amresco Inc.; Applichem CmbH: Boiling Jiapli Bharmacoutical Amino GmbH; Amresco Inc.; Applichem GmbH; Beijing Jianli Pharmaceutical Co., Ltd.; Biosynth International, Inc.; Buckton Scott Commodities Limited; CalbioChem - NovaBiochem Corporation; CBC Nanning Cenway Bioengineering Co., Ltd.; Changzhou Shenlong Bio-Engineering Co., Ltd.; Chem-Impex International, Inc.; ChemPacific; Chongqin Justit Industries Co., Ltd.; Coleman Chemical Inc.; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.; Fisher Scientific; Flamma S.p.A. (Fabbrica Lombarda Amminoacidi); Fluka; Giellepi Chemicals ***SRL***; Gurv Berry Co. Inc.; Hunan Shineway Enterprise Co., Ltd.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isotec Inc.; Jiangsu Huachang Group Co., Ltd.; Karlan Research Products; Kyowa Hakko Kogyo Co., Ltd.; L.S. Raw Materials Ltd.; Lancaster Synthesis Inc.; Mallinckrodt Laboratory Chemicals; Moravek Biochemicals Inc.; Nanjing Machinery, Metals, Minerals, Medicines & Health Products Import and Export Corporation; Noveon, Inc.; Oakwood Products, Inc.; Omega Chemical Co., Inc.; Orgasynth; ***Peptide*** Institute, Inc.; Pfaltz & Bauer, Ir Institute, Inc.; Pfaltz & Bauer, Inc.; Research Organics; Ronas Chemicals Ind. Co., Ltd.; Seltzer Chemicals, Inc.; Shandong Zhenxing Chemical Industry Co., Ltd.; Shine Star (Hubéi) Biological Engineering Co., Ltd.; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Spectrum Quality Products, Inc.; Stauber Performance Ingredients; Sunrise Chemical Co., Ltd.; TCI; Varsal Fine Chemicals, Inc.; Welding GmbH & Co.; Xiamen Xingda Import & Export Trading Co., Ltd. CO Pfaltz & Bauer, Inc. ABCR GmbH & Co.; Aceto Corporation; Acros Organics; Aldrich; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Biddle Sawyer Corporation; Changzhou Foreign Trade Corporation; Changzhou Friendship Fine Chemicals; China National Chemical Construction Corporation; CreaNova, Inc.; D&O Chemicals, Inc.; Deluxe Groups of Companies; Fluka; G.J. Chemical Company, Inc.; Huantai Xinhua Fine Chemical Co., Ltd.; ICN Biomedical Research Products; JXMEC (Shenzhen) Enterprise Development Co., Ltd.; Karnavati Chemicals; Kessler Chemical, Inc.; Lancaster Synthesis Inc.; Lonza Ltd.;

Pfaltz & Bauer, Inc.; PHT International, Inc.; Spectrum Quality Products,

```
Inc.; Su-Vi Pharmaceuticals and Chemicals Limited; TCI; Weifang Common
       Chem Co., Ltd.; Wilshire Chemical Co., Inc.; Xinchem Company
       ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; American
CO
       Radiolabeled Chemicals, Inc.; Changzhou Foreign Trade Corporation;
       Changzhou Friendship Fine Chemicals; Changzhou Medical Raw Material Factory; Changzhou United Chemical Co., Ltd.; Chemphar; Connect Chemicals
       GmbH; Creanova, Inc.; Davos Chemical Corporation; Dolder Ltd.; Fluka; ICN
       Biomedical Research Products; Jiangsu Wujin Hutang Secondary Finechemical Plant; Jiangxi Kingnord Industrial Limited; JXMEC (Shenzhen) Enterprise
       Development Co., Ltd.; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.;
       Rudong Tongyuan Fine Chemical Factory; Sichuan Sangao Biochemical Co.,
       Ltd.; Su-Vi Pharmaceuticals and Chemicals Limited; TCI; Wujin Hengfeng
       Chemical Plant; Xinchem Company; Zhuhai Qiaoji Overseas Trade Co., Ltd.

ABCR GmbH & Co.; Acros Organics; Aldrich; Aldrich Flavors and Fragrances;

Alfa Aesar; Bedoukian Research, Inc.; Celanese, Ltd.; Davos Chemical

Corporation; Elan Chemical Company, Inc.; Fluka; ICN Biomedical Research

Products; Indofine Chemical Company, Inc.; Lancaster Synthesis Inc.;

Pfaltz & Bauer, Inc.; Sigma Chemical Company; TCI; Toyo Gosei Co., Ltd.

ABCR GmbH & Co.; Accustandard; Acros Organics; Advanced Synthesis

Technologies, S.A.; Aldrich; Alfa Aesar; Bayer Corporation; Cytes Industries
CO
CO
       Chemicals; China Petrochemical Development Corporation; Cytec Industries
       Inc.; Division Petrochimique Arfeen International (Pvt) Limited; Dixie
       Chemical Company, Inc.; Fluka; Goodfellow; Haresh Kumar & Co.; Helm AG;
       ICN Biomedical Research Products; Isca Limited; Isotec Inc.; Lancaster
       Synthesis Inc.; Midland Scientific, Inc.; New East Grace International
       Corporation; Organix, Inc.; Pfaltz & Bauer, Inc.; Prasanthi Laboratories Pvt. Ltd.; Shanghai GaoQiao Chemical Plant; Sigma Solvents Pvt. Ltd.;
       Sumitomo Chemicals Co., Ltd.; TCI; Thomas Baker (Chemicals) Ltd.; Tianjin Chemical Reagent Co., Inc.; Ultimate Chem (India) Pvt. Ltd.; Xinglu Chemical Co., Ltd.; Zheijang Xinan Chemical Industrial Group Co., Ltd. ABCR GmbH & Co.; Acros Organics; Aldrich; Aldrich Flavors and Fragrances;
CO
       Alfa Aesar; BASF Chemical Intermediates; Celanese, Ltd.; Eastman Chemical
       Company; Elan Chemical Company, Inc.; Fluka; Indofine Chemical Company, Inc.; Lancaster Synthesis Inc.; Moore Ingredients, Ltd.; Neste Oxo AB;
       Pfaltz & Bauer, Inc.; Sunoco Chemicals; TCI
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       ANSWER 44 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE ON STN
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AN
       2000:1696
                            SYNTHLINE
DN
       187249
CN
       Telinavir; SC-52151
       N-(Quinolin-2-ylcarbonyl)-asparagine 1(S)-benzyl-3-(3-tert-butyl-1-
CN
       isobutylureido)-2(R)-hydroxypropylamide
       143224-34-4
RN
       C33 H44 N6 O5
MF
MW
CC
       AIDS Medicines; Anti-HIV Agents; Antiinfective therapy; HIV Protease
       Inhibitors
       Phase III
HDP
CO
       Pharmacia
ED
       12 Dec 2000
STRUCTURE:
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/ BINARY DATA / Homing Pigeon 11.25.03011.TIF
CO ABCR GmbH & Co.; Air Products & Chemicals, Inc.; Aldrich; Alfa Aesar;
Celanese, Ltd.; Coleman Chemical Inc.; Elan Chemical Company, Inc.; Fluka;
Graham Chemical Corporation; ICN Biomedical Research Products; Koei
Chemical Company, Ltd; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.;
Sigma Chemical Company; TCI
CO Acros Organics; Advanced ChemTech; Aldrich; Chem-Impex International,

Inc.; Flūka; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isochem, Groupe SNPE; Lancaster Synthesis Inc.; NSC Technologies; Pfaltz & Bauer, Inc.; Research Organics; Sichuan Sangao Biochemical Co.,

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Ltd.; Sigma Aldrich Library of Rare Chemicals; Sigma Chemical Company; TCI
CO
          Aldrich; Fluka; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Rhodia
          Fine Organics; TCI
          Sigma Chemical Company
CO
          ABCR GmbH & Co.; Aceto Corporation; Acros Organics; Advance Scientific & Chemical, Inc.; Aldrich; Alfa Aesar; American Radiolabeled Chemicals,
          Inc.; Boehringer Ingelheim GMBH; Chemada Fine Chemicals; Chem-Impex
          International, Inc.; ChemPur Feinchemikalien und Forschungsbedarf GmbH:
          Contract Chemicals Ltd.; Eurolabs Limited; Fluka; Graham Chemical
          Corporation; ICN Biomedical Research Products; Isotec Inc.; Laizhou Salt
          Industrial Group; Lancaster Synthesis Inc.; Mallinckrodt Laboratory
          Chemicals; Midland Scientific, Inc.; Narchem Corporation; Oakwood
          Products, Inc.; Ocean Chemicals Group; Omega Chemical Co., Inc.; Pfaltz &
          Bauer, Inc.; Purecha Group; Sigma Chemical Company; Sinobrom Limited; Spectrum Quality Products, Inc.; TCI; Ubichem plc
ABCR GmbH & Co.; Air Products & Chemicals, Inc.; Aldrich; Alfa Aesar; Celanese, Ltd.; Coleman Chemical Inc.; Elan Chemical Company, Inc.; Fluka; Graham Chemical Corporation; ICN Biomedical Research Products; Koei
CO
          Chemical Company, Ltd; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.;
          Sigma Chemical Company; TCI
          A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros
CO
          Organics; Advanced ChemTech; AerChem Inc.; AIDP, Inc.; Air Products &
          Chemicals, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Aldrich
          Flavors and Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.;
          Amino GmbH; Amresco Inc.; Applichem GmbH; Beijing Jianli Pharmaceutical
          Co., Ltd.; Buckton Scott Commodities Limited; CalbioChem - NovaBiochem
          Corporation; Carbomer; Changzhou Changmao Biochemical Engineering;
          Changzhou Shenlong Bio-Engineering Co., Ltd.; Chem-Impex International,
          Inc.; ChemPacific; China Wellton Chemical; Coleman Chemical Inc.; Degussa Corporation; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.; DSM Fine Chemicals Inc.; Fisher Scientific; Fluka; Giellepi Chemicals
          ***SRL*** ; Gurvey & Berry Co. Inc.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isotec Inc.; J.T. Baker; Kaneka
          Corporation - Fine Chemicals Division; Karlan Research Products; Kyowa
          Hakko Kogyo Co., Ltd.; Lancaster Synthesis Inc.; Mallinckrodt Laboratory Chemicals; Mitsubishi Rayon Fine Chemicals; Moravek Biochemicals Inc.;
          Nanjiang Tiancheng Biochemical Engineering Co., Ltd.; NSC Technologies; Omega Chemical Co., Inc.; ***Peptide*** Institute, Inc.; Pfaltz &
          Omega Chemical Co., Inc.;
          Bauer, Inc.; Research Organics; Ronas Chemicals Ind. Co., Ltd.; Saniver Limited; Seltzer Chemicals, Inc.; Sichuan Sangao Biochemical Co., Ltd.;
          Sigma Chemical Company; Spectrum Quality Products, Inc.; Stauber Performance Ingredients; Sunrise Chemical Co., Ltd.; TCI; Welding GmbH &
          CO.
CO
          Aldrich; Fluka; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Rhodia
          Fine Organics; TCI
          Acros Organics; Advanced ChemTech; Aldrich; Alfa Aesar; Asymchem; Biosynth
CO
          International, Inc.; Carbomer; Chem-Impex International, Inc.; ChiraChem;
          Davos Chemical Corporation; Fluka; George Uhe Company, Inc.; Indofine
          Chemical Company, Inc.; Lancaster Synthesis Inc.; LHA Chempharma Co., Ltd.; NSC Technologies; Omega Chemical Co., Inc.; Pfaltz & Bauer, Inc.;
          Research Organics; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical
          Company; SK Energy and Chemical, Inc.; Suzhou Hengyi Pharmaceuticals; Suzhou Henyi Pharmaceuticals Co., Ltd.; Synthetech Inc.; TCI; Wilshire
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CO
          Aldrich; Lancaster Synthesis Inc.; NSC Technologies; Synthetech Inc.
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              ***1993***
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ΑN
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DN
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          methanesulfonate; N1-(1(S)-Benzyl-3-(4a(S),8a(S),3(S)-(tert-butylcarbamoyl)decahydroisoquinolin-2-yl)-2(S)-hydroxypropyl)-N2-(quinolin-butylcarbamoyl)decahydroisoquinolin-2-yl)-2(S)-hydroxypropyl)-N2-(quinolin-butylcarbamoyl)decahydroisoquinolin-2-yl)-2(S)-hydroxypropyl)-N2-(quinolin-butylcarbamoyl)decahydroisoquinolin-2-yl)-2(S)-hydroxypropyl)-N2-(quinolin-butylcarbamoyl)decahydroisoquinolin-2-yl)-2(S)-hydroxypropyl)-N2-(quinolin-butylcarbamoyl)decahydroisoquinolin-2-yl)-2(S)-hydroxypropyl)-N2-(quinolin-butylcarbamoyl)decahydroisoquinolin-2-yl)-2(S)-hydroxypropyl)-N2-(quinolin-butylcarbamoyl)decahydroisoquinolin-2-yl)-2(S)-hydroxypropyl)-N2-(quinolin-butylcarbamoyl)decahydroisoquinolin-2-yl)-2(S)-hydroxypropyl)-N2-(quinolin-butylcarbamoyl)decahydroisoquinolin-2-yl)-2(S)-hydroxypropyl)-N2-(quinolin-butylcarbamoyl)decahydroisoquinolin-2-yl)-2(S)-hydroxypropyl)-N2-(quinolin-butylcarbamoyl)decahydroisoquinolin-2-yl)-2(S)-hydroxypropyl)-N2-(quinolin-butylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoylcarbamoy
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- CO AccuStandard; Acros Organics; Aldrich; Alfa Aesar; Fluka; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Richman Chemical Inc.; Spectrum Quality Products, Inc.; TCI
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- Corporation; Oakwood Products, Inc.; Ocean Chemicals Group; Pfaltz & Bauer, Inc.; Shouguang Fukang Pharmaceutical Co., Ltd.; Sigma Chemical Company; Spectrum Quality Products, Inc.; TCI; Wychem Limited Company; Spectrum Quality Products, Inc.; Trans World Chemicals Inc. ABCR GmbH & Co.; Oakwood Products, Inc.; Trans World Chemicals Inc. ABCR GmbH & Co.; Accustandard; Acros Organics; Advance Scientific & Chemical, Inc.; Aldrich; Alfa Aesar; Analytyka; Bann Quimica Ltda.; BASF Chemical Intermediates; Bayer Corporation; Caledon Laboratories Limited; Changfeng Chemical Co., Ltd.; Chemicals World; Coleman Chemical Inc.; First Chemical Corporation; Fisher Scientific; Fluka; Fronine Pty. Ltd.; G.J. Chemical Company, Inc.; GFS Chemicals; Hindustan Organic Chemicals Ltd.; ICN Biomedical Research Products; Interstate Chemical Co., Inc.; Isca Limited; Isotec Inc.; J.T. Baker; Jayman Industries; Karlan Research Products; Lancaster Synthesis Inc.; Mallinckrodt Laboratory Chemicals; Manuel Vilaseca S.A.; Merck KGaA; Midland Scientific, Inc.; Narmada Chematur Petrochemicals Limited; New East Grace International Corporation; Ningbo Haili Chemical Industry Co., Ltd.; Organix, Inc.; Pfaltz & Bauer, Inc.; Priya Limited; Sigma Chemical Company; Spectrum Quality Products, Inc.; Sunoco Chemicals; Thomas Baker (Chemicals) Ltd.; Thomas Scientific; Tianjin Chemical Reagent No. 1 Plant; Voigt Global Distribution; Xiamen Mchem Group; Zheijang Xinan Chemical Industrial Group Co., Ltd.; Zhuhai Qiaoji Overseas Trade Co., Ltd.
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Various new routes for the large-scale synthesis of Ro-31-8959 have been 1) The condensation of N-protected-L-phenylalanine (I) with described: the Mg salt of malonic acid monoethyl ester (II) gives the keto ester (III), which is enantioselectively reduced with NaBH4 to yield the hydroxy ester (IV). The reaction of (IV) with 2,2-dimethoxypropane (V) by means of p-toluenesulfonic acid affords the oxazolidine (VI), which is hydrolyzed with NaOH in ethanol/water to the corresponding acid (VII). The treatment of (VII) with oxalyl chloride, mercaptopyridine-N-oxide (MPO) and bromotrichloromethane affords the bromomethyloxazolidine (VIII), which, without isolation, is treated with acetic acid to give the N-protected 3(s)-amino-2-bromo-4-phenyl-2(s)-butanol (IX). The reaction of (IX) with KOH in methanol yields the epoxide (X), which is condensed with (3s,4as,8as)-N-tert-butyldecahydroisoquinoline-3-carboxamide (XI), yielding the protected condensation product (XII). The deprotection of the amino group of (XII) by hydrogenation with H2 over Pd/C affords the amino derivative (XIII), which is condensed with N-benzyloxycarbonyl-asparagine (XIV) in the usual way, giving the protected ***peptide*** (XV). The deprotection of (XV) as before yields compound (XVI), with a free amino group that is finally condensed with quinoline-2-carboxylic acid (XVII) by means of dicyclohexylcarbodiimide and hydroxybenzotriazole.

2) The condensation of N-phthaloyl-L-phenylalaninyl chloride (XVIII) with

1,1,2-tris(trimethylsilyloxy)ethylene (TMS) (XIX) at 90-100 c followed by acidic hydrolysis with HCl gives the acid (XX), which, without isolation, is decarboxylated, yielding 1-hydroxy-3(S)-phthalimido-4-phenyl-2-butanone (XXI). Sequential protection of the OH- group with dihydropyran, reduction of the CO group with NaBH4, mesylation of the resulting OH group with methanesulfonyl chloride and deprotection of the primary OH group gives 2(R)-(methanesulfonyloxy)-4-phenyl-3(S)-phthalimido-1-butanol (XXII). The epoxidation of (XXII) with potassium tert-butoxide yields the epoxide (XXIII), which is condensed with the decahydroisoquinoline (XI) as before, affording the protected condensation product (XXIV). The elimination of the phthalimido group of (XXIV) with methylamine and HCl gives the amino derivative (XIII), already obtained in scheme 16810301a.

3) The condensation of N-(tert-butoxycarbonyl)-L-phenylalaninal (XXV) with 2-(trimethylsilyl)thiazole (XXVII) by means of tetrabutylammonium fluoride gives the thiazole derivative (XXVII) which is cleaved by reaction with

TX gives the thiazole derivative (XXVII), which is cleaved by reaction with methyl iodide (formation of the thiazolium derivative) and treated with NaBH4 and HgCl2 to afford the protected 3(S)-amino-2(S)-hydroxy-4-phenylbutanal (XXVIII). Finally, this compound is reductocondensed with isoquinoline (XI) by means of sodium cyanoborohydride to yield the protected condensation product (XII), already obtained in scheme 16810301a.

4) The selective esterification of 3(S)-azido-4-phenylbutane-1,2(S)-diol TX (XXIX) with 2,4,6-triiosopropylbenzenesulfonyl chloride (XXX) gives the sulfonate ester (XXXI), which by treatment with KOH is converted to the azido epoxide (XXXII). The condensation of (XXXII) with decahydroisoquinoline (XI) affords the azido condensation product (XXXIII), which is finally hydrogenated with H2 over Pd/C to the amino condensation product (XIII), already obtained in scheme 16810301a. 5) The reaction of (XXIX) with SOC12 and RuC13 gives the dioxathiole dioxide (XXXIV), which is condensed with decahydroisoquinoline (XI) to afford the TX

(XXXIV), which is condensed with decanydroisoquinoline (XI) to attord the azido condensation product (XXXIII), already obtained. (14C)-saquinavir: The cyclization of (ring-14C)-aniline (I) with crotonic aldehyde (II) by means of HCl and acetic anhydride gives labeled 2-methylquinoline (III), which is brominated with Br2 in acetic acid yielding the tribromo derivative (IV). The hydrolysis of (IV) with hot sulfuric acid afforded labeled quinoline-2-carboxylic acid (V), which is finally condensed with Ro-32-0445 (VI) by means of hydroxybenzotriazole (HORT) and dicyclobarylcarbodiimide (DCC) in THE (HOBT) and dicyclohexylcarbodiimide (DCC) in THF.

TX Pentadeuterated saquinavir: The nitration of hexadeuterobenzene (VII) with HN03/H2S04 gives pentadeuteronitrobenzene (VIII), which is hydrogenated with deuterium/Pt in D1-methanol yielding heptadeuteroaniline (IX). The cyclization of (IX) with crotonic aldehyde (II) by means of DCI/D2O and acetic anhydride as before affords hexadeuterated quinoline (X), which is brominated with Br2 as before giving the tribromo derivative (XI). The hydrolysis of (XI) with sulfuric acid as before yields the acid (XII), which is finally condensed with Ro-32-0445 (VI) as before. Tetradeuterated saquinavir: The cyclization of heptadeuteroaniline (IX) with crotonic aldehyde (II) by means of HCl and acetic anhydride as before

gives the tetradeuteroquinoline (XIII), which is brominated as described yielding the tribromo derivative (XIV). The hydrolysis of (XIV) with sulfuric acid affords tetradeuterated acid (XV), which is finally

condensed with Ro-32-0445 (VI) as indicated.

Tritiated saquinavir: The cyclization of 4-bromoaniline (XVI) with crotonic aldehyde (II) by means of ZnCl2/HCl gives 6-bromo-4-TX methylquinoline (XVII), which is brominated as before giving tetrabromo derivative (XVIII). The hydrolysis of (XVIII) with sulfuric cid affords 6-bromoquinoline-2-carboxylic acid (XIX), which is condensed with RO-32-0445 (VI) by means of HOBT and DCC as indicated giving the bromo derivative of saquinavir (XX). Finally, this compound is tritiated with T2 over Pd/C in ethanol.

5) (15N,13C,2H)-Saquinavir: The nitration of (13C6)-benzene (XXI) with TX (15N)-nitric acid gives the corresponding nitrobenzene (XXII), which is reduced with Sn/HCl to the aniline (XXIII). The cyclization of (XXIII) with crotonic aldehyde (II) by means of ClD/D2O and acetic ahydride yields the tetradeuterated quinoline (XXIV), which is brominated as before giving the tribromo derivative (XXV). The hydrolysis of (XXV) with sulfuric acid as usual affords the (15N,13C6,2H3)-labeled quinoline-2-carboxylic acid (XXVI), which is finally condensed with Ro-32-0445 (VI) by means of HOBT and CDI as indicated.

The synthesis of Ro-31-8959/003 (X) was carried out as follows: Condensation of L-phenylalanine (I) with formaldehyde in concentrated hydrochloric acid gave the tetrahydroisoquinoline (II), which was hydrogenated in 90% acetic acid over rhodium on carbon to yield the decahydroisoquinoline (III) as a mixture of diastereoisomers. Treatment of (III) with benzyl chloroformate in aqueous sodium hydroxide solution gave a mixture of N-protected amino acids which was separated by fractional crystallization of the cyclohexylaminds and N bydroxygyspinimide in Reaction with dicyclohexylcarbodiimide and N-hydroxysuccinimide in dimethoxyethane, followed by treatment of the activated ester with tert-butylamine in dichloromethane and subsequent hydrogenolysis of the benzyloxycarbonyl protecting group gave the decahydroisoquinoline (IV). In the other branch of the synthesis L-phenylalanine was treated with benzyl chloroformate in aqueous sodium hydroxide solution to give the N-protected amino acid. This was converted to the corresponding mixed anhydride with isobutyl chloroformate and N-ethylmorpholine in tetrahydrofuran and immediately reacted with diazomethane in diethyl ether to give the diazomethyl ketone (V). Treatment of (V) with ethereal hydrogen chloride gave the chloromethyl ketone (VI), which on reduction with sodium borohydride in aqueous tetrahydrofuran gave a mixture of diastereoisomeric chlorohydrins. Solvent extraction with boiling n-hexane followed by recrystallization of the less soluble isomer from isopropanol gave pure chlorohydrin (VII), which on treatment with ethanolic potassium hydroxide gave the epoxide (VIII). Condensation of (VIII) with (IV) in ethanol gave the hydroxyethylamine (IX). Hydrogenolysis of (IX) was followed by condensation with N-benzyloxycarbonyl-L-asparagine in tetrahydrofuran in the presence of 1-hydroxybenzotriazole and dicyclohexylcarbodiimide. Hydrogenolysis in ethanol over palladium on charcoal, followed by condensation with quinoline-2-carboxylic acid in tetrahydrofuran in the presence of dicyclohexylcarbodiimide and 1-hydroxybenzotriazole, gave the free base, Ro-31-8959/000. Treatment with methanesulfonic acid in aqueous ethanol then afforded the mesylate salt (X), Ro-31-8959/003.

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L8
     ANSWER 46 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE ON STN
     2000:1043
ΑN
                   SYNTHLINE
     126015
DN
CN
     Sulpiride (L-(-)); Levosulpiride; RV-12309; Levopraid
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     methoxybenzamide
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     77111-58-1 (HCT)
RN
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MF C15 H23 N3 O4 S

MW

TX

CC Antipsychotic Drugs; Nausea and Vomiting, Treatment of; Neurologic drugs; Psychopharmacologic drugs; Dopamine D2 Antagonists

HDP Launched-1987 CO Abbott; Ravizza 12 Dec 2000 ED

STRUCTURE:

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        FAR Research, Icrom SpA
CO
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PY
PY
           ***1987***
L8
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ΑN
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DN
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CN
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CN
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RN
        31427-44-8
                           (free acid); 28047-15-6 (free acid)
        C13 H15 N2 O4 . Na
MF
MW
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HDP

Phase II

CO Burzynski Research Institute; National Cancer Institute ED 12 Dec 2000

STRUCTURE:

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       ABCR GmbH & Co.; Aceto Corporation; Acros Organics; Advanced ChemTech;
       Aldrich; Alfa Aesar; Chem-Impex International, Inc.; D&O Chemicals, Inc.;
       Davos Chemical Corporation; DSM Fine Chemicals Inc.; Esprit Chemical
       Company; Fluka; Foyo Pharmaceutical and Chemical Co., Ltd.; Halides
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       Company, Inc.; Lancaster Synthesis Inc.; Midori Kagaku Co., Ltd.; Oakwood
       Products, Inc.; Omega Chemical Co., Inc.; Orichem International Ltd.;

***Peptide*** Institute, Inc.; Pfaltz & Bauer, Inc.; PPG-Sipsy; Research
Organics; Rubamin; Shanghai Desano Co., Ltd.; Sichuan Sangao Biochemical
Co., Ltd.; Sigma Chemical Company; Spectrum Quality Products, Inc.; Suzhou
Wuyian Tianma Chemical Materials Co., Ltd.; Trustchem Co., Ltd.
       Wuxian Tianma Chemical Materials Co., Ltd.; TCI; Trustchem Co., Ltd. Acros Organics; Ad Pharmachem; Aldrich; Aldrich Flavors and Fragrances;
CO
       Alfa Aesar; American Radiolabeled Chemicals, Inc.; Changzhou Yalong
       Perfume Supporter of Conduction; Chemtech Intermediates Pvt. Ltd.; CU
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        Jintan Jinguan Chemical Plant; Lancaster Synthesis Inc.; Nikung Group of
       Companies; Nikunj Chemical Limited; Pfaltz & Bauer, Inc.; Shree Chem;
       Sigma Chemical Company; Spectrum Quality Products, Inc.; Taixing Deyuan Fine Chemical Factory; Tessenderlo Chemie; Wilshire Chemical Co., Inc.;
       Yogi Dye Chem Industries; Zhuhai Qiaoji Overseas Trade Co., Ltd.
ABCR GmbH & Co.; Acros Organics; Advanced ChemTech; Aldrich; Alfa Aesar; Chem-Impex International, Inc.; Davos Chemical Corporation; Dojindo Molecular Technologies, Inc.; Fluka; ICN Biomedical Research Products;
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       Indofine Chemical Company, Inc.; Lancaster_Synthesis Inc.; Molecular
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                                                                           ***Peptide***
       Research Institute; Parchem Trading Ltd.;
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***1986***
PY
L8
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ΑN
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       Bristol-Myers Squibb; Egis; Esteve; Sankyo
CO
ED
       12 Dec 2000
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Aceto Corporation; Acros Organics; Aldrich; Bright Evergreen Pte. Ltd.;
CO
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      SiberHegner GmbH; TCI; Xiamen Mchem Group
        ***1978***
PY
L8
      ANSWER 49 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE ON STN
AN
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                     SYNTHLINE
DN
      102780
      Moveltipril calcium; Altiopril calcium; MC-838; Lowpress
CN
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CN
      oxopropyl)-L-proline calcium salt(2:1)
      85291-53-5
RN
      85856-54-8
      85856-54-8 (free base)
2 C19 H29 N2 O5 S . Ca
RN
MF
MW
      835.10
      Cardiovascular drugs; Hypertension, Treatment of; ACE Inhibitors
CC
HDP
      Pre-Registered
CO
      Chugai
ED
      12 Dec 2000
STRUCTURE:
/ BINARY DATA / Homing Pigeon 11.25.03016.TIF
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/ BINARY DATA / Homing Pigeon 11.25.03015.TIF

ABCR GmbH & Co.; Aceto Corporation; Acros Organics; Aldrich; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Ashwood Chemicals Ltd.; Asymchem; Bayer Corporation; Changzhou Friendship Fine Chemicals; Chemate Fine Chemicals - Shanghai Chemate International Trading Ltd.; Chem-Impex International, Inc.; ChiraChem; Chiracon GmbH; D&O Chemicals, Inc.; Davos Chemical Corporation; Dolder Ltd.; Fluka; G.J. Chemical Company, Inc.; Hengdian Group; Hengdian Tospo-Yongan Chemical Co., Ltd.; Hickson & Welch Ltd.; ICN Biomedical Research Products; Inabata & Co., Ltd.; Kessler Chemical, Inc.; King's Research, Inc.; Lancaster Synthesis Inc.; Netchem Inc.; Oakwood Products, Inc.; Omega Chemical Co., Inc.; Organix, Inc.; Panda Technological Research Institute; Pfaltz & Bauer, Inc.; PPG-Sipsy; Research Organics; Shanghai Sansi Chemical Co. Ltd.; Sigma Chemical Company; Spectrum Quality Products, Inc.; TCI; Xiamen Mchem Group; Xinchem Company CO A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros

Organics; Advanced ChemTech; AerChem Inc.; Air Products & Chemicals, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Amresco Inc.; Applichem GmbH; Beijing Jianli Pharmaceutical Co., Ltd.; Biosynth International, Inc.; Buckton Scott Commodities Limited; CalbioChem -NovaBiochem Corporation; Changzhou Shenlong Bio-Engineering Co., Ltd.; Chem-Impex International, Inc.; ChemPacific; China Wellton Chemical; Coleman Chemical Inc.; Degussa Corporation; DNP International Co., I Donboo Amino Acid Company Ltd.; Fisher Scientific; Fluka; Giellepi ***SRL*** ; Gurvey & Berry Co. Inc.; Hunan Shineway Chemicals Enterprise Co., Ltd.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isotec Inc.; Jiangsu Huachang Group Co., Ltd.; Karlan Research Products; KingChem Inc.; Kyowa Hakko Kogyo Co., Ltd.; Lancaster Synthesis Inc.; Moravek Biochemicals Inc.; Nanjing Machinery, Metals, Minerals, Medicines & Health Products Import and Export Corporation; Omega Chemical Co., Inc.: ***Pentide*** Institute Inc.: Pfaltz & Pauce Chemical Co., Inc.; ***Peptide*** Institute, Inc.; Pfaltz & Bauer, Inc.; PHT International, Inc.; Research Organics; Ronas Chemicals Ind. Co., Ltd.; Saniver Limited; Seltzer Chemicals, Inc.; SiberHegner GmbH; Sichuan Sangao Biochemical Co., Ltd.; Signa Chemical Company; Spectrum Quality Products, Inc.; Star_Lake Bioscience Co. Inc.; Stauber Performance Ingredients; Sunrise Chemical Co., Ltd.; TCI; Varsal Fine Chemicals, Inc.; Welding GmbH & Co.; Xiamen Mchem Group; Zhangjiagang Amino Acids Co., Ltd. ***1986*** ANSWER 50 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE ON STN 2000:607 SYNTHLINE 091361 Thalidomide; NSC-66847; K-17; Talizer; Thalomid; Synovir (rac)-2-(2,6-Dioxopiperidin-3-y])-2,3-dihydro-1H-isoindole-1,3-dione; (rac)-N-(2,6-Dioxopiperidin-3-yl)phthalimide; (rac)-alpha-(N-Phthalimido)glutarimide 50-35-1 C13 H10 N2 O4 258.23

DN CN CN

RN

CO

PY L8

AN

MF MW

CC AIDS Medicines; Antiarthritic Drugs; Antiinfective therapy; Antimycobacterial Agents; Brain Cancer Therapy; Breast Cancer Therapy; Cognition Disorders, Treatment of; Colorectal Cancer Therapy; Gastrointestinal drugs; Glioblastoma MultiformeTherapy; Immunologic Neuromuscular Disorders, Treatment of; Inflammatory Bowel Disease, Agents for; Kaposi's Sarcoma Therapy; Leukemia Therapy; Liver Cancer Therapy; Lung Cancer Therapy; Multiple Myeloma Therapy; Multiple Sclerosis, Agents for; Myelodysplastic Syndrome Therapy; Neurologic drugs; Non-Small Cell Lung Cancer Therapy; Ocular medications; Oncolytic drugs; Ophthalmic Drugs; Prostate Cancer Therapy; Renal Cancer Therapy; Scleroderma, Agents for; Treatment of Age-Related Macular Degeneration; Treatment of AIDS-Associated Malignancies; Treatment of Cachexia; Treatment of Leprosy; Treatment of musculoskeletal & connective tissue diseases; Treatment of Other Autoimmune Disorders; Angiogenesis Inhibitors; TNF-alpha Production Inhibitors; TNF-alpha Release Inhibitors

HDP Launched-1998

CO Andrulis; Celgene; Celgene; EntreMed; National Cancer Institute; Penn; Pharmacia; Pharmion; University of Minnesota

ED 12 Dec 2000

STRUCTURE:

/ BINARY DATA / Homing Pigeon 11.25.03017.TIF ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Chem-Impex International, Inc.; Davos Chemical Corporation; Fluka; Frinton CO Laboratories; Hangzhou Vanco Science & Technology Co., Ltd.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Lancaster Synthesis Inc.; Narchem_Corporation; Oakwood Products, Inc.; Omega Chemical Co., Inc.; Pfaltz & Bauer, Inc.; Sigma Chemical Company; TCI; Trans World Chemicals Inc.

A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros Organics; Advance Scientific & Chemical, Inc.; Advanced ChemTech; AerChem Inc.; AIDP, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Ingredients, Inc.; American Radiolabeled Chemicals, Inc.; Applichem GmbH; Arrow Chemical Inc.; Avatar Corporation; Buckton Scott Commodities Limited; CalbioChem - NovaBiochem Corporation; Caledon Laboratories Limited; Chem-Impex International, Inc.; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.; Dongyang Pharmaceutical Chemical Co., Ltd.; Fabrichem, Inc.; Fisher Scientific Flamma S.p.A. (Fabbrica Lombarda Amminoacidi); Fluka; Foyo Pharmaceutical

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Biomedical Research Products; Interstate Chemical Co., Inc.; Isca Limited;

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Isotec Inc.; J.T. Baker; Jayman Industries; KIC Chemicals, Inc.; Isotec Inc.; J.T. Baker; Jayman Industries; KIC Chemicals, Inc.; Kingsfield Inc.; Lancaster Synthesis Inc.; Linkers Far East Pte. Ltd.; Mays Chemical Company, Inc.; Mitsubishi Gas Chemical Company, Inc.; Neste Oxo AB; Nippon Shokubai Co., Ltd.; Oltchim Romania; Parchem Trading Ltd.; PCL Oils & Solvents Ltd.; Pfaltz & Bauer, Inc.; Pt. Eterindo Wahanatama Tbk.; Rierden Chemical & Trading Company; Scharlau Laboratory Chemicals; Shanghai Haifan Industrial Corporation; Shijiazhuang Bailong Chemical Co., Ltd.; Shree Ambica Group of Companies; Sigma Chemical Company; Spectrum Ouality Products Inc.: Thirumalai Chemicals Ltd.: Tianiin Chemical Quality Products, Inc.; Thirumalai Chemicals Ltd.; Tianjin Chemical Reagent Co., Inc.; Tianjin Chemical Reagent No. 1 Plant; TR International Trading Company, Inc.; U. S. Chemicals, Inc.; U-Jin Chemical Co., Ltd.; Ultimate Chem (India) Pvt. Ltd.; Vinmar International, Ltd.; Vitusa Products, Inc.; Voigt Global Distribution; Xinglu Chemical Co., Ltd.; Zaklady Azotowe Kedzierzyn SA

Frinton Laboratories; Pfaltz & Bauer, Inc. CO

A.G. Scientific; Biomol; ICN Biomedical Research Products; Tocris Cookson CO CO

ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Chem-Impex International, Inc.; Fluka; Keyuan Co., Ltd.; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Sigma Chemical Company; TCI

- AAE Chemie n.v.; ABCR GmbH_& Co.; Accustandard; Acros Organics; Aldrich; CO Alfa Aesar; American Radiolabeled Chemicals, Inc.; Analytyka; Aurowin Enterprise; Borden & Remington Corporation; Chaozhou Yuedong Chemical & Light Industrial; Chem-Impex International, Inc.; Coleman Chemical Inc.; Crescent Organics Ltd.; Division Petrochimique Arfeen International (Pvt) Limited; Exim Corporation; Filo Chemical Incorporated; Fluka; FRP Services & Company; Gadiv Petrochemical Industries Ltd.; GFS Chemicals; Harcros Chemicals Inc.; Herdillia Chemicals Ltd.; IC Trading Company, Inc.; ICN Biomedical Research Products; Interstate Chemical Co., Inc.; Isca Limited; Isotec Inc.; J.T. Baker; Jayman Industries; KIC Chemicals, Inc.; Kingsfield Inc.; Lancaster Synthesis Inc.; Linkers Far East Pte. Ltd.; Kingsfield Inc.; Lancaster Synthesis Inc.; Linkers Far East Pte. Ltd.;
 Mays Chemical Company, Inc.; Mitsubishi Gas Chemical Company, Inc.; Neste
 Oxo AB; Nippon Shokubai Co., Ltd.; Oltchim Romania; Parchem Trading Ltd.;
 PCL Oils & Solvents Ltd.; Pfaltz & Bauer, Inc.; Pt. Eterindo Wahanatama
 Tbk.; Rierden Chemical & Trading Company; Scharlau Laboratory Chemicals;
 Shanghai Haifan Industrial Corporation; Shijiazhuang Bailong Chemical Co.,
 Ltd.; Shree Ambica Group of Companies; Sigma Chemical Company; Spectrum
 Quality Products, Inc.; Thirumalai Chemicals Ltd.; Tianjin Chemical
 Reagent Co., Inc.; Tianjin Chemical Reagent No. 1 Plant; TR International
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 Products. Inc.: Voigt Global Distribution: Xinglu Chemical Co., Ltd.; Products, Inc.; Voigt Global Distribution; Xinglu Chemical Co., Ltd.; Zaklady Azotowe Kedzierzyn SA
- CO Acros Organics; Boehringer Ingelheim GMBH; ChiRex Ltd.; Lancaster
- CO
- Acros Organics; Boenringer Ingerneim GMBH; Chikex Llu., Lancaster Synthesis Inc.; Ubichem plc
 ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Chem-Impex International, Inc.; Fluka; Keyuan Co., Ltd.; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Sigma Chemical Company; TCI
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Company; Synthetech Inc.; TCI
PY
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PY
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PY
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PY
L8
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CN
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RN
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MF
      C13 H14 N2 O3
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MW
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HDP
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STA
      Burzynski Research Institute; National Cancer Institute
CO
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      12 Dec 2000
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      Company
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      Alfa Aesar; American Radiolabeled Chemicals, Inc.; Changzhou Yalong
      Perfume Supporter of Conduction; Chemtech Intermediates Pvt. Ltd.; CU
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Chemie Uetikon GmbH; Dolder Ltd.; Fisher Scientific; Fluka; Isoteć Inc.:

Jintan Jinguan Chemical Plant; Lancaster Synthesis Inc.; Nikung Group of Companies; Nikunj Chemical Limited; Pfaltz & Bauer, Inc.; Shree Chem; Sigma Chemical Company; Spectrum Quality Products, Inc.; Taixing Deyuan Fine Chemical Factory; Tessenderlo Chemie; Wilshire Chemical Co., Inc.; Yogi Dye Chem Industries; Zhuhai Qiaoji Overseas Trade Co., Ltd. A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros Organics; Advance Scientific & Chemical, Inc.; Advanced ChemTech; AerChem Inc.; AIDP, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Ingredients, Inc.; American Radiolabeled Chemicals, Inc.; Applichem GmbH; Arrow Chemical Inc.; Avatar Corporation; Buckton Scott Commodities Limited; CalbioChem - Novagiochem Corporation; Caledon Laboratories Limited; Chem-Impex International. Inc.: DNP International Co., Inc.; Donboo Amino Acid Company Ltd.; Dongyang Pharmaceutical Chemical Co., Ltd.; Fabrichem, Inc.; Fisher Scientific; Flamma S.p.A. (Fabbrica Lombarda Amminoacidi); Fluka; Foyo Pharmaceutical and Chemical Co., Ltd.; Giellepi Chemicals ***SRL***; Gurvey & Berry and Chemical Co., Ltd.; Giellepi Chemicals ***SRL***; Gurvey & Ber Co. Inc.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isotec Inc.; J.T. Baker; Jianghong Chemicals Co., Ltd.; Karlan Research Products; Kyowa Hakko Kogyo Co., Ltd.; L.S. Raw Materials Ltd.; Lancaster Synthesis Inc.; Moravek Biochemicals Inc.; Panda Technological Research Institute; Parchem Trading Ltd.; ***Peptide*** Inc.; Pfaltz & Bauer, Inc.; Research Organics; Seltzer Chemicals, Inc.; Shanghai Desano Co., Ltd.; Sigma Aldrich Library of Rare Chemicals; Sigma Chemical Company; Spectrum Quality Products, Inc.; Stauber Performance Ingredients; Sunrise Chemical Co., Ltd.; TCI; Varsal Fine Chemicals, Inc.; Wellwing Trading Company Acros Organics; Aldrich; Fluka; Lancaster Synthesis Inc.; Pfaltz & Bauer, Inc.; Robinson Brothers Limited; TCI CO CO Aldrich; Sigma Aldrich Library of Rare Chemicals; Sigma Chemical Company ***1985*** PY ***1983*** PY L8 ANSWER 52 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE ON STN ΑN 2000:221 SYNTHLINE DN 090461 CN BRL 26314 N-(4-Chlorobenzyl)-L-phenylalanine CN 79600-96-7 RN C16 H16 C7 N O2 MF MW 289.76 Biological Testing HDP CO GlaxoSmithKline

STRUCTURE:

12 Dec 2000

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/ BINARY DATA / Homing Pigeon 11.25.03019.TIF A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros Organics; Advanced ChemTech; AerChem Inc.; AIDP, Inc.; Air Products & Chemicals, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Amino GmbH; Amresco Inc.; Applichem GmbH; Beijing Jianli Pharmaceutical Co., Ltd.; Buckton Scott Commodities Limited; Calbiochem - NovaBiochem Corporation; Carbomer; Changzhou Changmao Biochemical Engineering; Changzhou Shenlong Bio-Engineering Co., Ltd.; Chem-Impex International, Inc.; ChemPacific; China Wellton Chemical; Coleman Chemical Inc.; Degussa Corporation; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.;
DSM Fine Chemicals Inc.; Fisher Scientific; Fluka; Giellepi Chemicals

SRL; Gurvey & Berry Co. Inc.; ICN Biomedical Research Products;
Indofine Chemical Company, Inc.; Isotec Inc.; J.T. Baker; Kaneka
Corporation - Fine Chemicals Division; Karlan Research Products; Kyowa Hakko Kogyo Co., Ltd.; Lancaster Synthesis Inc.; Mallinckrodt Laboratory Chemicals; Mitsubishi Rayon Fine Chemicals; Moravek Biochemicals Inc.; Nanjiang Tiancheng Biochemical Engineering Co., Ltd.; NSC Technologies; Omega Chemical Co., Inc.; ***Peptide*** Institute, Inc.; Pfaltz & Bauer, Inc.; Research Organics; Ronas Chemicals Ind. Co., Ltd.; Saniver Limitéd; Seltzer Chemicals, Inc.; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Spectrum Quality Products, Inc.; Stauber Performance Ingredients; Sunrise Chemical Co., Ltd.; TCI; Welding GmbH & CO ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; Bayer Corporation; Biddle Sawyer Corporation; Charkit Chemical Corporation; China National Chemical Construction Corporation; Clariant Corporation; Esprit Chemical

Company; Fluka; FRP Services & Company; Gitanjali Chemicals Pvt. Ltd.; Ihara Chemical Industry Co., Ltd.; Isotec Inc.; Jianghong Chemicals Co.,

Ltd.; Jingma Chemicals Ltd.; Jintan Deli Chem Co., Ltd.; Kangfeng Organic Fluorine Chemicals Plant; Kessler Chemical, Inc.; Lancaster Synthesis Inc.; Lansdowne Chemicals Plc.; Mallinckrodt Laboratory Chemicals; Organix, Inc.; Orichem International Ltd.; Pfaltz & Bauer, Inc.; Shenyang International Trade Group; Sino-Foreign Joint Venture Danyang ZhongChao Chemical Co., Ltd.; Spectrum Quality Products, Inc.; Suzhou Da He Chemical Industry Co., Ltd.; TCI; Wilshire Chemical Co., Inc.; Xinchem Company ***1985*** ANSWER 53 OF 77 SYNTHLINE COPYRIGHT 2003 PROUS SCIENCE ON STN 2000:204 SYNTHLINE 090439 Enalaprilat; MK-422; Renitec; Vasotec I.V. 1-(N-((S)-1-Carboxy-3-phenylpropyl)-L-alanyl)-L-proline dihydrate 84680-54-6 76420-72-9 (anhydrous) C18 H24 N2 O5 . 2 H2 O 384.43 Cardiovascular drugs; Hypertension, Treatment of; ACE Inhibitors Launched-1987 Merck & Co.; Merck Sharp & Dohme

STRUCTURE:

12 Dec 2000

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MW

CC HDP

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/ BINARY DATA / Homing Pigeon 11.25.03020.TIF Chem-Impex International, Inc.; Degussa Corporation; Fluka; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Pfaltz & Bauer, Inc. A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros Organics; Advanced ChemTech; AerChem Inc.; Air Products & Chemicals, Inc.; Ajinomoto - Amino Acid Department; Aldrich; Aldrich Flavors and CO Fragrances; Alfa Aesar; American Radiolabeled Chemicals, Inc.; Amresco Inc.; Applichem GmbH; Beijing Jianli Pharmaceutical Co., Ltd.; Biosynth International, Inc.; Buckton Scott Commodities Limited; CalbioChem -NovaBiochem Corporation; Changzhou Shenlong Bio-Engineering Co., Ltd.; Chem-Impex International, Inc.; ChemPacific; China Wellton Chemical; Coleman Chemical Inc.; Degussa Corporation; DNP International Co., Inc.; Donboo Amino Acid Company Ltd.; Fisher Scientific; Fluka; Giellepi Chemicals ***SRL***; Gurvey & Berry Co. Inc.; Hunan Shineway Enterprise Co., Ltd.; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Isotec Inc.; Jiangsu Huachang Group Co., Ltd.; Karlan Research Products; KingChem Inc.; Kyowa Hakko Kogyo Co., Ltd.; Lancaster Synthesis Inc.; Moravek Biochemicals Inc.; Nanjing Machinery, Metals, Minerals, Medicines & Health Products Import and Export Corporation; Omega ***Peptide*** Chemical Co., Inc.; Institute, Inc.; Pfaltz & Bauer, Inc.; PHT International, Inc.; Research Organics; Ronas Chemicals Ind. Co., Ltd.; Saniver Limited; Seltzer Chemicals, Inc.; SiberHegner GmbH; Sichuan Sangao Biochemical Co., Ltd.; Sigma Chemical Company; Spectrum Quality Products, Inc.; Star Lake Bioscience Co. Inc.; Stauber Performance Ingredients; Sunrise Chemical Co., Ltd.; TCI; Varsal Fine Chemicals, Inc.; Welding GmbH & Co.; Xiamen Mchem Group; Zhangjiagang Amino Acids Co., Ltd. ABCR GmbH & Co.; Aceto Corporation; Acros Organics; Aldrich; Alfa Aesar; CO American Radiolabeled Chemicals, Inc.; Biddle Sawyer Corporation; China Suyu Foreign Trade Corporation; Fine & Performance Chemicals Ltd.; Fluka; Hainan Zhongxin Chemical Co., Ltd.; Huzhou Beigang Import & Export Co., Ltd.; INSPEC Group PLC & Int'l Specialty Chemicals Ltd; Kessler Chemical, Inc.; Lancaster Synthesis Inc.; Laporte Performance Chemicals; Mallinckrodt Laboratory Chemicals; Moravek Biochemicals Inc.; Morflex, Inc.; Oakwood Products, Inc.; Pfaltz & Bauer, Inc.; Punjab Chemicals & Pharmaceuticals Ltd.; Qiyuan Chemical Co., Ltd.; Rhodia Fine Organics; Roschem Pacific Group; Scheco Jiangdong Chemical Factory; Sigma Chemical Company; Spectrum Quality Products, Inc.; Sugai Chemical Industry Co., Ltd. International Division; TCI; Tianjin Chemical Reagent Co., Inc. ABCR GmbH & Co.; Acros Organics; Aldrich; Alfa Aesar; AlliedSignal Inc. Specialty Chemicals; Dolder Ltd.; Esprit Chemical Company; Fluka; ICN C₀ Biomedical Research Products; King's Research, Inc.; Lancaster Synthesis Inc.; NetQem; Pfaltz & Bauer, Inc.; Shouguang Fukang Pharmaceutical Co., Ltd.; TCI; Tosoh Corporation C0 Chem-Impex International, Inc.; Degussa Corporation; Fluka; ICN Biomedical Research Products; Indofine Chemical Company, Inc.; Pfaltz & Bauer, Inc. Dr. Eckert GmbH A & E Connock (Perfumery & Cosmetics) Ltd.; ABCR GmbH & Co.; Acros

Organics; Advanced ChemTech; AerChem Inc.; AisonsChem; Ajinomoto - Amino Acid Department; Aldrich; Aldrich Flavors and Fragrances; Alfa Aesar; American Ingredients, Inc.; American Radiolabeled Chemicals, Inc.; Amresco

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Inc.; Arrow Chemical Inc.; Beijing Jianli Pharmaceutical Co., Ltd.;
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       CalbioChem - NovaBiochem Corporation; Caledon Laboratories Limited;
       Carbomer; CBC Nanning Cenway Bioengineering Co., Ltd.; Changshu Shunde Chemical Co., Ltd.; Changzhou Shenlong Bio-Engineering Co., Ltd.; ChemPacific; Degussa Corporation; DNP
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        Co., Ltd.; Fisher Scientific; Fluka; Giellepi Chemicals
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Hunter, Michael George, Buckinghamshire, United Kingdom
Edwards, Richard Mark, Oxford, United Kingdom
          Czaplewski, Lloyd George, Oxford, United Kingdom
Gilbert, Richard James, Oxford, United Kingdom
          British Biotech Pharmaceuticals Limited, Oxford, United Kingdom
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US 5885771
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        Bergstrom, Sven, Umea, Sweden
        Hansson, Lennart, Umea, Sweden
        Symbicom Aktiebolag, Umea, Sweden (non-U.S. corporation)
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        Gilbert, Richard James, Cowley, United Kingdom
PA
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[6]

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ICM: A61K038-48
       ICS: C12N009-68; C12N015-55; C12N015-63
424/94.64; 435/217; 435/172.3; 435/240.2; 435/252.3; 435/320.1; 536/23.2
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 58 OF 77 USPATFULL ON STN
L8
       97:49542 USPATFULL
ΑN
       Activatable fibrinolytic and anti-thrombotic proteins
TI
       Dawson, Keith, Marlow, United Kingdom
ΤN
       Edwards, Richard M., Thame, United Kingdom
        Forman, Joan M., Oxford, United Kingdom
        British Biotech Pharmaceuticals, England (non-U.S. corporation)
PA
                                  19970610
       us 5637492
ΡI
       WO 9109118
                    19910627
                                                                           <--
       us 1992-854603
                                  19920604 (7)
ΑI
       WO 1990-GB1912
                                  19901207
                                            PCT 371 date PCT 102(e) date
                                  19920604
                                  19920604
                             19891207
       GB 1989-27722
PRAI
       Utility
DT
       Granted
FS
LN.CNT 1908
INCL
        INCLM: 435/217.000
       INCLS: 435/212.000; 435/172.300; 424/094.640
NCL
       NCLM:
              435/217.000
       NCLS:
               424/094.640; 435/212.000
IC
        [6]
        ICM: A61K037-48
       ICS: C12N009-68; C12N015-59 435/69.1; 435/172.3; 435/214; 435/217; 435/212; 435/226; 435/193;
EXF
        530/384; 530/381; 424/94.63; 424/94.64
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L8
     ANSWER 59 OF 77 USPATFULL ON STN
ΑN
        96:89206 USPATFULL
        Pharmaceutical packaging with capsule sealing means
ΤI
       Chawla, Brindra P. S., West Bridgford, England
IN
PA
       FISONS plc, Suffolk, England (non-U.S. corporation)
       us 5560490
                                  19961001
PΙ
                                                                           <--
       wo 9405560
                     19940317
       US 1995-397186
ΑI
                                  19950327 (8)
       WO 1993-GB1909
                                  19930909
                                  19950327
                                             PCT 371 date
                                  19950327
                                             PCT 102(e) date
                              19920909
PRAI
       GB 1992-19113
       GB 1993-14050
                              19930707
DT
       Utility
FS
       Granted
LN.CNT 277
INCL
       INCLM: 206/539.000
       INCLS: 206/471.000; 206/529.000; 206/530.000
NCL
               206/539.000
       NCLM:
       NCLS:
               206/471.000; 206/529.000; 206/530.000
        [6]
IC
       ICM: B65D083-04
       ICS: B65D085-42
EXF
       206/528; 206/529; 206/530; 206/531; 206/532; 206/539; 206/461; 206/471
L8
     ANSWER 60 OF 77 USPATFULL ON STN
       96:36542 USPATFULL
ΑN
TI
        PDGF-B analogues
       Brown, David, Canterbury, England
IN
       Edwards, Richard M., Oxford, England
       Craig, Stewart, Oxford, England
Cook, Anne L., Oxford, England
Clements, John M., Oxford, England
PA
       British Biotech Pharmaceuticals Limited, both of, United Kingdom
        (non-U.S. corporation)
       Pfizer Limited, both of, United Kingdom (non-U.S. corporation)
PΙ
       us 5512545
                                  19960430
       wo 9213073
                    19920806
                                                                           <--
                                  19930831 (8)
       us 1993-94079
ΑI
       wo 1992-GB141
                                  19920124
                                  19930831
                                             PCT 371 date
                                  19930831 PCT 102(e) date
                             19910125
       GB 1991-1645
PRAI
```

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DT
        Utility
FS
        Granted
LN.CNT
        1027
        INCLM: 514/012.000
INCL
        INCLS: 530/350.000; 530/399.000; 435/069.400; 435/252.330; 435/255.100;
               435/320.100; 536/023.510
               514/012.000
NCL
        NCLM:
               435/069.400; 435/252.330; 435/255.100; 435/320.100; 530/350.000;
        NCLS:
               530/399.000; 536/023.510
        [6]
IC
        ICM: A61K038-18
        ICS: C12N015-18; C07K014-475
435/69.1; 435/69.4; 435/172.3; 435/320.1; 435/240.2; 435/252.33;
EXF
        435/255.1; 435/255.2; 530/350.399; 514/2; 514/8; 514/12; 536/23.5;
        536/23.51
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 61 OF 77 USPATFULL on STN
L8
AN
        95:107930 USPATFULL
TI
        Pharmaceutical controlled-release composition with bioadhesive
        properties
IN
        Santus, Giancarlo, Milan, Italy
        Bottoni, Giuseppe, Bergamo, Italy
        Sala, Giovanni, Verona, Italy
PΑ
        Recordati S.A., Chemical and Pharmaceutical Company, Chiasso,
        Switzerland (non-U.S. corporation)
        US 5472704
PΙ
                                 19951205
        us 1993-174191
ΑI
                                 19931227
                                           (8)
        Continuation of Ser. No. US 1992-832229, filed on 7 Feb 1992, now
RLI
        abandoned
PRAI
        IT 1991-MI1486
                             19910530
DT
       Utility
FS
        Granted
LN.CNT 1198
INCL
        INCLM: 424/435.000
        INCLS: 424/473.000; 424/486.000; 424/487.000; 424/488.000
NCL
        NCLM:
               424/435.000
        NCLS:
               424/473.000; 424/486.000; 424/487.000; 424/488.000
IC
        [6]
        ICM: A61K009-16
       424/435; 424/419; 424/434; 424/493; 424/473; 424/494; 424/486; 424/487;
EXF
        424/488
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L8
     ANSWER 62 OF 77 USPATFULL ON STN
AN
       95:103251 USPATFULL
TI
       Avirulent microbes and uses therefor
IN
       Curtiss, III, Roy, St. Louis, MO, United States
       Washington University, St. Louis, MO, United States (U.S. corporation)
PA
ΡI
                                 19951121
       us 5468485
       US 1993-20259
ΑI
                                 19930218 (8)
       Continuation of Ser. No. US 1989-332285, filed on 31 Mar 1989, now
RLI
       abandoned which is a continuation-in-part of Ser. No. US 1988-200934
       filed on 1 Jun 1988, now abandoned which is a continuation-in-part of
       ser. No. US 1987-58360, filed on 4 Jun 1987, now abandoned
DT
       Utility
FS
       Granted
LN.CNT 2597
INCL
       INCLM: 424/184.100
       INCLS: 424/200.100; 424/093.100; 424/093.200; 435/069.100; 435/071.100;
               435/172.100; 435/252.300; 435/252.330; 435/252.800
NCL
       NCLM:
               424/184.100
               424/093.100; 424/093.200; 424/200.100; 435/069.100; 435/071.100;
       NCLS:
               435/252.300; 435/252.330; 435/252.800
IC
       [6]
       ICM: A61K039-00
       ICS: A61K039-02; C12N001-21: C12N015-00
EXF
       424/88; 424/92; 424/184.1; 424/200.1; 424/241.1; 424/278.1; 424/93.1
       424/93.2; 435/253; 435/252.3; 435/252.33; 435/320.1; 435/69.1; 435/69.3; 435/172.1; 435/252.3; 435/252.3; 435/252.8
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 63 OF 77 USPATFULL on STN
18
       95:80233 USPATFULL
AN
       Pectin lyase genes of aspergillus niger
TT
IN
       Heim, Jutta, Ramlinsburg, Switzerland
```

```
Meyhack, Bernd, Magden, Switzerland
       Gysler, Christof, Blonay, Switzerland
       Visser, Jacob, Wageningen, Netherlands
       Kester, Hermanus C. M., Druten, Netherlands
       Ciba-Geigy Corporation, Ardsley, NY, United States (U.S. corporation)
US 5447862 19950905 <--
PA
PΙ
       US 1991-723002
                                19910628 (7)
ΑI
       Continuation-in-part of Ser. No. US 1988-150880, filed on 29 Jan 1988,
RLI
       now abandoned And a continuation-in-part of Ser. No. US 1989-384898,
       filed on 24 Jul 1989, now abandoned
       GB 1987-2475
                            19870204
PRAI
       GB 1988-18046
                            19880728
       GB 1989-14666
                            19890626
       Utility
DT
       Granted
FS
LN.CNT 4188
       INCLM: 435/252.300
INCL
       INCLS: 435/252.330; 435/254.300; 435/320.100; 536/023.200; 536/023.740;
               536/024.100
NCL
               435/252.300
       NCLM:
       NCLS:
               435/252.330; 435/254.300; 435/320.100; 536/023.200; 536/023.740;
               536/024.100
IC
       [6]
       ICM: C12N001-21
       ICS: C12N001-15; C12N015-60; C12N015-80
       435/183; 435/232; 435/243; 435/254; 435/320.1; 435/913; 435/917;
EXF
       435/252.3; 435/252.33; 435/254.3; 536/232; 536/23.2; 536/23.74; 536/24.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 64 OF 77 USPATFULL on STN
L8
       95:64843 USPATFULL
ΑN
TI
       Fibrinolytic and anti-thrombotic cleavable dimers
IN
       Dawson, Keith, Marlow, United Kingdom
       Hunter, Michael G., Aylesbury, United Kingdom
       Czaplewski, Lloyd G., Didcot, United Kingdom
       British Bio-Technology Limited, Oxford, England (non-U.S. corporation)
PA
ΡI
                                19950718
       us 5434073
       wo 9109125
                    19910627
                                                                       <--
       US 1992-854596
ΑI
                                19920603 (7)
       WO 1990-GB1911
                                19901207
                                19920603
                                           PCT 371 date
                                19920603
                                          PCT 102(e) date
PRAI
       GB 1989-27722
                            19891207
       Utility
DT
FS
       Granted
LN.CNT 2191
INCL
       INCLM: 435/216.000
       INCLS: 530/350.000; 530/402.000; 435/069.700; 424/094.640
NCL
       NCLM:
              435/216.000
       NCLS:
              424/094.640; 435/069.700; 530/350.000; 530/402.000
IC
       [6]
       ICM: C12N009-70
       ICS: C07K013-00
       435/69.7; 435/216; 530/402; 530/350; 424/94.64
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 65 OF 77 USPATFULL on STN
L8
AN
       95:13604 USPATFULL
TI
       Avirulent microbes and uses therefor
ΙN
       Gurtiss, III, Roy, St. Louis, MO, United States
PA
       Washington University, St. Louis, MO, United States (U.S. corporation)
PΙ
       US 5389368
                                19950214
       us 1992-965607
ΑI
                                19921022 (7)
       Continuation of Ser. No. US 1988-200934, filed on 1 Jun 1988, now
RLI
       abandoned which is a continuation-in-part of Ser. No. US 1987-58360,
       filed on 4 Jun 1987, now abandoned
DT
       Utility
FS
       Granted
LN.CNT 2106
INCL
       INCLM: 424/093.200
       INCLS: 424/093.400; 424/093.100; 435/320.100; 435/172.300; 935/072.000;
              935/073.000
NCL
       NCLM:
              424/200.100
              424/093.400; 435/252.300; 435/252.330; 435/320.100
       NCLS:
IC
       [6]
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ICM: A61K039-112

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ICS: A61K039-108
        424/92; 424/93A; 424/93D; 424/93P; 435/252.3; 435/252.33; 435/879;
EXF
        435/320.1; 935/65
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 66 OF 77 USPATFULL ON STN
L8
        95:11759 USPATFULL
ΑN
        Avirulent microbes and uses therefor: Salmonella typhi
TI
        Curtiss, III, Roy, St. Louis, MO, United States
Kelly, Sandra M., St. Louis, MO, United States
IN
        Washington University, St. Louis, MO, United States (U.S. corporation)
PA
        us 5387744
                                    19950207
PΙ
ΑI
        us 1993-88394
                                    19930707 (8)
        Continuation of Ser. No. US 1992-975892, filed on 13 Nov 1992, now
RLI
        abandoned which is a continuation of Ser. No. US 1990-612001, filed on 9
        Nov 1990, now abandoned which is a continuation-in-part of Ser. No. US
        1988-200934, filed on 1 Jun 1988, now abandoned which is a continuation-in-part of Ser. No. US 1987-58360, filed on 4 Jun 1987, now
        abandoned, said Ser. No. US -612001 which is a continuation-in-part of Ser. No. US 1988-251304, filed on 3 Oct 1988, now abandoned which is a continuation-in-part of Ser. No. US 1987-106072, filed on 7 Oct 1987,
        now abandoned
        Utility
DT
FS
        Granted
LN.CNT 2718
        INCLM: 424/235.100
INCL
        INCLS: 424/258.100; 435/172.300; 435/320.100; 435/252.300; 435/252.330;
                435/879.000; 935/060.000; 935/062.000; 935/072.000
NCL
        NCLM:
                424/258.100
                435/252.300; 435/252.330; 435/320.100; 435/879.000
        NCLS:
IC
        [6]
        ICM: A61K039-112
        ICS: C12N001-21
        435/252.3; 435/252.8; 435/879; 435/172.1; 435/172.3; 435/320.1; 424/93A;
EXF
        424/93D; 935/72; 536/23.1; 536/23.7; 536/24.1; 536/24.2
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
      ANSWER 67 OF 77 USPATFULL ON STN
L8
        94:47052 USPATFULL
ΑN
        Transformation vectors allowing expression of foreign polypeptide
TI
        endotoxins from Bacillus thuringiensis in plants
        De Greve, Henri M. J., Brussels, Belgium
IN
        Salgado, Maria B. L. F., Guerrero, Mexico
Van Montagu, Marc C. E., Brussels, Belgium
        Vaeck, Mark A., Zemst, Belgium
Zabeau, Marcus F. O., Gent, Belgium
        Leemans, Jan J. A., Heusden, Belgium
        Hofte, Hermanus F. P., Gent, Belgium
PA
        Plant Genetic Systems, N.V., Brussels, Belgium (non-U.S. corporation)
                                    19940531
PΙ
        us 5317096
                                    19930205 (8)
        US 1993-14148
ΑI
        Division of Ser. No. US 1990-555828, filed on 23 Jul 1990 which is a
RLI
        continuation of Ser. No. US 1986-821582, filed on 22 Jan 1986, now
        abandoned which is a continuation-in-part of Ser. No. US 1985-692759,
        filed on 18 Jan 1985, now abandoned
DT
        Utility
        Granted
FS
       3444
LN.CNT
INCL
        INCLM: 536/023.710
        NCLM: 536/023.710
NCL
IC
        [5]
        ICM: C07H021-00
        536/23.71
EXF
L8
      ANSWER 68 OF 77 USPATFULL ON STN
ΑN
        94:22076 USPATFULL
        Avirulent microbes and uses therefor: salmonella typhi
TI
        Curtiss, III, Roy, St. Louis, MO, United States
Washington University, St. Louis, MO, United States (U.S. corporation)
IN
PA
                                    19940315
PΙ
        US 5294441
                                    19911107 (7)
ΑI
        us 1991-785748
        Continuation-in-part of Ser. No. US 1990-612001, filed on 9 Nov 1990,
RLI
        now abandoned which is a continuation-in-part of Ser. No. US
        1988-200934, filed on 1 Jun 1988, now abandoned which is a
        continuation-in-part of Ser. No. US 1987-58360, filed on 4 Jun 1987, now
```

abandoned , said Ser. No. 612001 which is a continuation-in-part of

```
Ser. No. US 1988-251304, filed on 3 Oct 1988, now abandoned which is a
        continuation-in-part of Ser. No. US 1987-106072, filed on 7 Oct 1987,
        now abandoned
DT
        Utility
        Granted
FS
LN.CNT 3370
        INCLM: 424/093,000A
INCL
       INCLS: 424/093.000R; 424/093.000D; 424/093.000P; 435/172.300; 435/320.100; 435/252.300; 435/252.330; 435/879.000; 935/060.000;
               935/062.000; 935/072.000
NCL
        NCLM:
               424/200.100
        NCLS:
               424/235.100; 424/258.100; 435/252.300; 435/252.330; 435/320.100;
               435/879.000
        [5]
IC
        ICM: A61K039-112
        ICS: C12N001-21
       435/172.3; 435/320.1; 435/252.3; 435/252.33; 435/879; 424/93R; 424/93A; 424/93D; 424/93P
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L8
     ANSWER 69 OF 77 USPATFULL on STN
AN
        93:87582 USPATFULL
        Transformation vectors allowing expression of Bacillus thuringiensis
ΤI
        endotoxins in plants
IN
        De Greve, Henri M. J., Brussels, Belgium
       Salgado, Maria B. L. F., Iguala, Mexico
Van Montagu, Marc C. E., Brussels, Belgium
Vaeck, Mark A., Zemst, Belgium
        Zabeau, Marcus F. O., Gent, Belgium
        Leemans, Jan J. A., Heusden, Belgium
       Hofte, Hermanus F. P., Gent, Belgium
PA
        Plant Genetic Systems N.V., Belgium (non-U.S. corporation)
PΙ
       US 5254799
                                  19931019
                                   19900723 (7)
        US 1990-555828
ΑI
        Continuation of Ser. No. US 1986-821582, filed on 22 Jan 1986, now
RLI
        abandoned which is a continuation-in-part of Ser. No. US 1985-692759,
        filed on 18 Jan 1985, now abandoned
DT
        Utility
        Granted
FS
LN.CNT 3318
        INCLM: 800/205.000
INCL
        INCLS: 435/240.400; 800/250.000; 800/DIG.009; 935/067.000
               800/302.000
NCL
        NCLM:
        NCLS:
               435/418.000
IC
        [5]
        ICM: A01H004-00
        ICS: C12N005-10
        435/172.3; 435/240.4; 800/205; 800/DIG.43; 800/250; 800/DIG.9; 935/67
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 70 OF 77 USPATFULL ON STN
L8
        93:63093 USPATFULL
AN
        Human tissue plasminogen activator analogue having substitutions at
TI
        amino acid positions 66, 67 and 68
       Edwards, Richard M., Thame, England Dawson, Keith, Marlow, England
IN
       Fallon, Anthony, Sandhills, England
Craig, Stewart, Littlemore, England
        British Bio-Technology Limited, Oxford, England (non-U.S. corporation)
PA
PΙ
        US 5232847
                                   19930803
                                                                             <--
       wo 8912681
                    19891228
        us 1990-613908
                                   19901211 (7)
ΑI
       WO 1989-GB705
                                   19890623
                                              PCT 371 date
                                   19901211
                                   19901211 PCT 102(e) date
PRAI
        GB 1988-15135
                              19880624
DT
       Utility
FS
        Granted
LN.CNT 854
INCL
        INCLM: 435/226.000
        INCLS: 435/212.000; 435/219.000; 424/094.630
NCL
        NCLM:
               435/226.000
       NCLS:
               424/094.630; 435/212.000; 435/219.000
IC
        [5]
        ICM: C12N009-48
        ICS: C12N015-00
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424/94.63; 424/94.64; 435/226; 435/219; 435/212
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L8
     ANSWER 71 OF 77 USPATFULL ON STN
       92:12864 USPATFULL
AN
       Method of producing a gene cassette coding for polypeptides with
TI
       repeating amino acid sequences
Williams, Jon I., Montclair, NJ, United States
Salerno, Anthony J., Millington, NJ, United States
ΙN
       Goldberg, Ina, Gillette, NJ, United States
       McAllister, William T., Metuchen, NJ, United States
       Allied-Signal Inc., Morris Township, Morris County, NJ, United States
PA
       (U.S. corporation)
       us 5089406
                                  19920218
PΙ
                                                                          <--
       US 1990-476112
                                  19900129 (7)
ΑI
       Continuation of Ser. No. US 1987-1292, filed on 7 Jan 1987, now
RLI
       abandoned
DT
       Utility
FS
       Granted
LN.CNT 1835
       INCLM: 435/172.300
INCL
       INCLS: 435/069.100
NCL
               435/091.410
               435/069.100; 435/091.520; 435/091.530; 530/353.000; 530/356.000
       NCLS:
       [5]
IC
       ICM: C12N015-00
       ICS: C12N015-10; C12P021-02; C07K013-00
EXF
       435/172.3; 435/69.1; 435/320.1; 435/172.1; 435/170; 935/10
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 72 OF 77 USPATFULL on STN
L8
       92:5511 USPATFULL
ΑN
        .beta.-amylase gene
TI
IN
       Yamagata, Hideo, Nagoya, Japan
       Kitamoto, Noriyuki, Nagoya, Japan
       Kato, Takeo, Aichi, Japan
       Tsukagoshi, Norihiro, Nagoya, Japan
       Udaka, Shigezo, Nagoya, Japan
PA
       Shigezo Udaka, Nagoya, Japan (non-U.S. corporation)
       us 5082781
us 1990-611480
                                  19920121
PΙ
ΑI
                                  19901109
       Continuation of Ser. No. US 1989-315129, filed on 24 Feb 1989, now
RLI
       abandoned
       JP 1988-43708
PRAI
                             19880226
       Utility
DT
FS
       Granted
LN.CNT 383
       INCLM: 435/201.000
INCL
       INCLS: 435/252.300; 435/252.310; 435/320.100; 536/027.000
              435/201.000
NCL
       NCLM:
       NCLS:
               435/252.300; 435/252.310; 435/320.100; 536/023.200; 536/023.700
       [5]
IC
       ICM: C12N009-26
       ICS: C12N015-56; C12N015-75; C12N001-21; C12N001-00 536/27; 435/320.1; 435/172.3; 435/69.1; 435/201; 435/252.3; 435/252.31
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 73 OF 77 USPATFULL on STN
L8
       91:100486 USPATFULL
ΑN
TI
       DNA sequences encoding novel thrombolytic proteins
       Larsen, Glenn R., Sudbury, MA, United States
ΙN
       Genetics Institute, Inc., Cambridge, MA, United States (U.S.
PA
       corporation)
       us 5071972
ΡI
                                  19911210
                                                                          <--
       wo 8704722
                    19870813
       US 1988-382678
                                  19881019 (7)
ΑI
       wo 1987-US267
                                  19870130
                                  19881019
                                            PCT 371 date
                                            PCT 102(e) date
                                  19881019
       Continuation-in-part of Ser. No. US 1986-882051, filed on 3 Jul 1986,
RLI
       now patented, Pat. No. US 5002887 And a continuation-in-part of Ser. No.
       US 1986-861699, filed on 9 May 1986, now abandoned And a
       continuation-in-part of Ser. No. US 1986-853781, filed on 18 Apr 1986,
       now abandoned And a continuation-in-part of Ser. No. US 1986-825104,
       filed on 31 Jan 1986, now abandoned
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DT

Utility

```
Granted
 LN.CNT 2264
 INCL
          INCLM: 536/027.000
          INCLS: 435/226.000
                  536/023.510
 NCL
          NCLM:
          NCLS: 435/226.000; 536/023.200
 IC
          [5]
          ICM: C12N009-48
          ICS: C12N009-64; C07H017-00 536/27; 435/226
 EXF
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
       ANSWER 74 OF 77 USPATFULL ON STN
 L8
          91:73288 USPATFULL
 AN
 TI
          Novel prokaryotic expression and secretion system
          Petro, Joan, Cambridge, MA, United States
 ΙN
          Jackson, Jennifer, Reading, MA, United States
          Putney, Scott, Arlington, MA, United States
 PA
          Repligen Corporation, Cambridge, MA, United States (U.S. corporation)
         us 5047334
us 1987-68471
 PΙ
                                        19910910
 ΑI
                                        19870630 (7)
 DT
          Utility
          Granted
 FS
 LN.CNT 700
 INCL
         INCLM: 435/069.100
         INCLS: 435/069.700; 435/069.800; 435/068.800; 435/252.300; 435/252.330; 435/320.100; 536/027.000; 935/029.000; 935/048.000; 935/022.000;
                  935/073.000
NCL
         NCLM:
                  435/069.100
         NCLS:
                  435/069.700; 435/069.800; 435/252.300; 435/252.330; 435/320.100;
                  536/024.100
IC
          [5]
          ICM: C12N015-31
         ICS: C12N015-70; C12N015-03; C12P021-00; C12P021-02

435/68; 435/70; 435/71; 435/91; 435/172.1; 435/172.3; 435/252.3;

435/252.31-252.35; 435/320; 435/69.1; 435/69.7; 435/69.8; 435/71.2;

435/320.1; 536/27; 935/48; 935/29; 935/72; 935/73; 530/350; 530/825
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
       ANSWER 75 OF 77 USPATFULL ON STN
L8
         89:28059 USPATFULL
ΑN
TI
          .alpha.-bromodiethylcarbonate
IN
         Palmer, Derek R., Heswall, Great Britain
         Tyson, Robert G., Prestatyn, Great Britain
         Astra Lakemedel Aktiebolag, Sweden (non-U.S. corporation)
US 4820857 19890411
PA
ΡI
         US 1988-183428
                                       19880413 (7)
ΑI
         Continuation of Ser. No. US 1986-838168, filed on 10 Mar 1986, now
RLI
         abandoned which is a division of Ser. No. US 1983-507716, filed on 23 Jun 1983, now patented, Pat. No. US 4606865 GB 1982-26751 19820920
PRAI
         GB 1982-28622
                                  19821006
         GB 1982-32629
                                  19821116
         GB 1983-331
                                  19830107
DT
         Utility
FS
         Granted
LN.CNT 510
INCL
         INCLM: 558/277.000
                 540/318.000; 540/336.000; 540/338.000
         INCLS:
                  558/277.000
NCL
         NCLM:
         NCLS:
                 540/318.000; 540/336.000; 540/338.000
IC
         [4]
         ICM: C07C069-96
EXF
         558/277
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L8
      ANSWER 76 OF 77 USPATFULL ON STN
         83:23916 USPATFULL
ΑN
TI
         Vinblastin-23-oyl amino acid derivatives for use as antitumor agents
IN
        Trouet, Andre B. L., Winksele, Belgium
Hannart, Jean A. A. J., Dion Valmont, Belgium
Rao, Kandukuri S. B., Rosieres, Belgium
        Omnichem S.A., Belgium (non-U.S. corporation)
PA
PΙ
        US 4388305
                                       19830614
                                                                                      <--
ΑI
        US 1981-269876
                                       19810603 (6)
PRAI
        LU 1980-82514
                                  19800610
```

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LU 1980-83034
                            19801223
DT
       Utility
FS
       Granted
LN.CNT 1073
INCL
       INCLM: 424/177.000
       INCLS: 260/112.500R; 260/244.400; 424/262.000
NCL
              514/019.000
              260/001.000; 514/017.000; 514/018.000; 530/329.000; 530/330.000;
       NCLS:
              530/331.000; 540/478.000; 930/010.000
       [3]
IC
       ICM: A61K031-475
       ICS: C07D519-04
EXF
       260/112.5R; 260/244.4; 424/177; 424/262
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 77 OF 77 USPATFULL ON STN
L8
AN
       80:24419 USPATFULL
       Method of protecting proteins for animal feed
TI
       Friedman, Mendel, Moraga, CA, United States
IN
PA
       The United States of America as represented by the Secretary of
       Agriculture, Washington, DC, United States (U.S. government)
       US 4203892
US 1978-897083
PΙ
                                19800520
ΑI
                                19780417 (5)
DT
       Utility
FS
       Granted
LN.CNT
       327
INCL
       INCLM: 260/112.000R
       INCLS: 260/112.500R; 260/119.000; 426/656.000
              530/409.000
NCL
       NCLM:
       NCLS:
              426/656.000; 530/345.000; 530/360.000; 530/408.000; 530/410.000;
              530/859.000
IC
       [2]
       ICM: A23K001-00
       ICS: C08H001-00
EXF
       260/112R; 260/112.5R; 260/119; 426/656
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
=> S Ser-Arg-Leu OR Val-Leu-Arg
  20 FILES SEARCHED...
  44 FILES SEARCHED...
  56 FILES SEARCHED...
          9498 SER-ARG-LEU OR VAL-LEU-ARG
=> DUP REM L9
DUPLICATE IS NOT AVAILABLE IN 'ADISINSIGHT, ADISNEWS, BIOCOMMERCE, DGENE,
DRUGLAUNCH, DRUGMONOG2, DRUGUPDATES, FEDRIP, GENBANK, KOSMET, NUTRACEUT, PHAR,
PHARMAML, RDISCLOSURE, SYNTHLINE'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING IS APPROXIMATELY
                              10% COMPLETE FOR L9
PROCESSING IS APPROXIMATELY
                              26% COMPLETE FOR L9
PROCESSING IS APPROXIMATELY
                              38% COMPLETE FOR L9
PROCESSING IS APPROXIMATELY
                              50% COMPLETE FOR L9
PROCESSING IS APPROXIMATELY
                              63% COMPLETE FOR L9
PROCESSING IS APPROXIMATELY
                              75% COMPLETE FOR L9
PROCESSING IS APPROXIMATELY
                              87% COMPLETE FOR L9
PROCESSING COMPLETED FOR L9
L10
           8458 DUP REM L9 (1040 DUPLICATES REMOVED)
=> S L10 AND PY<=1995
'1995' NOT A VALID FIELD CODE
   6 FILES SEARCHED...
   9 FILES SEARCHED...
  12 FILES SEARCHED...
  17 FILES SEARCHED..
1995' NOT A VALID FIELD CODE
  29 FILES SEARCHED..
1995' NOT A VALID FIELD CODE
  38 FILES SEARCHED...
  43 FILES SEARCHED...
  46 FILES SEARCHED...
'1995' NOT A VALID FIELD CODE
  52 FILES SEARCHED...
  55 FILES SEARCHED...
L11
           521 L10 AND PY<=1995
```

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=> S L11 AND peptide
   27 FILES SEARCHED..
             316 L11 AND PEPTIDE
 \Rightarrow D L12 250-316
      ANSWER 250 OF 316 USPATFULL ON STN
 L12
         90:50877
                   USPATFULL
 ΑN
         Chromatographic purification of human proteins having anticoagulant and
 TI
        anti-inflammatory activity
Fujikawa, Kazuo, Seattle, WA, United States
Irani, Meher H., Seattle, WA, United States
Carter, Bruce L. A., Seattle, WA, United States
 IN
        ZymoGenetics, Inc., Seattle, WA, United States (U.S. corporation)
 PA
        The Board of Regents of the University of Washington, Seattle, WA,
        United States (U.S. corporation)
 PΙ
        us 4937324
                                    19900626
ΑI
        US 1988-152383
                                   19880204 (7)
        Continuation-in-part of Ser. No. US 1987-59355, filed on 5 Jun 1987
RLI
        which is a continuation-in-part of Ser. No. US 1987-11782, filed on 6
DT
        Utility
FS
        Granted
LN.CNT 1291
        INCLM: 530/397.000
INCL
        INCLS: 530/412.000; 530/416.000; 530/417.000; 530/420.000; 530/350.000;
                530/851.000
NCL
        NCLM:
                530/397.000
                530/350.000; 530/412.000; 530/416.000; 530/417.000; 530/420.000;
        NCLS:
                530/851.000
IC
        [5]
        ICM: C07K003-02
        ICS: C07K003-22; C07K003-24; C07K015-06
530/395; 530/412; 530/414; 530/415; 530/416; 530/417; 530/420; 530/419
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 251 OF 316 USPATFULL on STN
L12
ΑN
        90:30102
                  USPATFULL
TI
        Low molecular weight pulmonary surfactant proteins
IN
        Steinbrink, D. Randall, Melrose, MA, United States
PA
        Genetics Institute, Inc., Cambridge, MA, United States (U.S.
        corporation)
PΙ
        US 4918161
                                   19900417
                                                                             <--
        US 1988-190287
ΑI
                                   19880504 (7)
        Continuation-in-part of Ser. No. US 1987-100372, filed on 24 Sep 1987 Ser. No. Ser. No. US 1986-897183, filed on 15 Aug 1986, now abandoned
RLI
        And ser. No. US 1985-781130, filed on 26 Sep 1985, now abandoned , said
                     100372 which is a continuation-in-part of Ser. No.
                                                                                  897183
        which is a continuation-in-part of Ser. No.
DT
        Utility
FS
        Granted
LN.CNT 532
INCL
        INCLM: 530/300.000
        INCLS: 530/324.000
NCL
                530/300.000
        NCLM:
        NCLS:
                530/324.000
IC
        [4]
        ICM: C07K013-00
        ICS: A61K037-02
EXF
        514/2; 514/21; 514/12; 530/300; 530/324; 530/325; 530/326; 530/327
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L12
     ANSWER 252 OF 316 USPATFULL ON STN
        89:94262 USPATFULL
ΑN
TI
        Pulmonary surfactant proteins
IN
        Taeusch, H. William, Redondo Beach, CA, United States
        Jacobs, Kenneth A., Newton, MA, United States
        Steinbrink, D. Randall, Melrose, MA, United States
       Floros, Joanna, West Roxbury, MA, United States
       Phelps, David S., West Roxbury, MA, United States
        Fritsch, Edward F., Concord, MA, United States
        Genetics Institute, Inc., Cambridge, MA, United States (U.S.
PA
       corporation)
       US 4882422
                                   19891121
                                                                            <--
ΑI
       US 1987-100372
                                   19870924 (7)
       Continuation-in-part of Ser. No. US 1985-791120, filed on 26 Sep 1985,
RLI
```

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now abandoned And a continuation-in-part of Ser. No. US 1985-897183,
         filed on 26 Sep 1985, now abandoned
DT
         Utility
 FS
         Granted
 LN.CNT
         737
INCL
         INCLM: 530/350.000
         INCLS: 530/808.000; 435/068.000; 435/070.000; 935/060.000
NCL
         NCLM:
                  530/350.000
         NCLS:
                 530/808.000
IC
         [4]
         ICM: C07K013-00
         ICS: A61K037-02
         530/300; 530/350; 530/808; 435/68; 435/70; 935/60
FXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L12
      ANSWER 253 OF 316 USPATFULL on STN
ΑN
         89:78680 USPATFULL
ΤI
         Novel procoagulant proteins
IN
         Toole, Jr., John J., Jamaica Plain, MA, United States
PΑ
         Genetics Institute, Inc., Cambridge, MA, United States (U.S.
         corporation)
PΙ
         US 4868112
                                      19890919
         wo 8606101
                       19861023
                                                                                    <--
         US 1986-10085
                                      19860411 (7)
ΑI
         wo 1986-us774
                                      19860411
                                                 PCT 371 date
PCT 102(e) date
                                      19860411
                                      19860411
         Continuation-in-part of Ser. No. US 1985-725350, filed on 12 Apr 1985,
RLI
         now abandoned
DT
         Utility
FS
         Granted
LN.CNT 770
         INCLM: 435/068.000
INCL
         INCLS: 435/070.000; 435/172.300; 435/240.100; 435/240.200; 435/320.000;
                 435/948.000; 435/252.330; 530/383.000; 536/027.000; 514/002.000;
                 514/008.000
NCL
                 514/008.000
         NCLM:
                 435/069.600; 435/252.330; 435/325.000; 435/356.000; 435/357.000; 435/358.000; 435/365.000; 435/455.000; 435/948.000; 514/002.000; 530/383.000; 536/023.500; 536/023.510; 930/100.000; 930/300.000
         NCLS:
         [4]
IC
         ICM: C12P021-00
         ICS: C12P021-02; C12N015-00; C07H015-12
         435/68; 435/70; 435/172.3; 435/253; 435/255; 435/256; 435/240.1;
EXF
         435/240.2; 435/320; 530/383; 534/27; 935/11; 935/32; 935/34; 935/56; 935/57; 935/60; 935/70; 514/2; 514/8
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
      ANSWER 254 OF 316 USPATFULL on STN
L12
         89:78541 USPATFULL
ΑN
TI
         Antibody-therapeutic agent conjugates
IN
         Goers, John W. F., Atascadero, CA, United States
         King, Hurley D., Yardley, PA, United States
         Lee, Chyi, New Brunswick, NJ, United States
         Coughlin, Daniel J., Plainsboro, NJ, United States
        Alvarez, Vernon L., Morrisville, PA, United States
        Rodwell, John D., Yardley, PA, United States
        McKearn, Thomas J., New Hope, PA, United States
PA
         Cytogen Corporation, Princeton, NJ, United States (U.S. corporation)
PΙ
        US 4867973
                                      19890919
ΑI
        US 1984-650375
                                      19840913 (6)
        Continuation-in-part of Ser. No. US 1984-646328, filed on 31 Aug 1984 And Ser. No. US 1984-646327, filed on 31 Aug 1984, each which is a continuation-in-part of Ser. No. US 1982-442050, filed on 16 Nov 1982, now abandoned which is a continuation-in-part of Ser. No. US
RLI
        1982-356315, filed on 9 Mar 1982, now patented, Pat. No. US 4671958
DT
        Utility
FS
        Granted
LN.CNT 2645
        INCLM: 424/085.910
INCL
        INCLS: 424/085.800; 424/086.000; 424/087.000; 530/387.000; 530/388.000; 530/389.000; 530/390.000; 530/391.000; 530/828.000; 514/002.000;
                 514/006.000; 514/008.000
NCL
        NCLM:
                 424/181.100
                 424/179.100; 514/002.000; 514/006.000; 514/008.000; 530/388.700;
        NCLS:
                 530/388.900; 530/391.900; 530/828.000; 530/864.000; 530/866.000;
```

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930/010.000; 930/022.000
         Γ41
 IC
         ICM: A61K039-00
         ICS: A61K037-00; A23J037-00
         530/387; 530/388; 530/389; 530/390; 530/391; 530/828; 514/2; 514/68;
 EXF
         424/85; 424/86; 424/87; 427/85.91; 427/85.8
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
      ANSWER 255 OF 316 USPATFULL on STN
 L12
         89:71963 USPATFULL
 ΑN
         Recombinant DNA clone encoding laminin receptor
 TI
        Sobel, Mark E., Bethesda, MD, United States
 ΙN
        Liotta, Lance A., Potomac, MD, United States
Wewer, Ulla M., Rockville, MD, United States
Jaye, Michael C., Arlington, VA, United States
Drohan, William N., Springfield, VA, United States
        The United States of America as represented by the Department of Health
 PA
        and Human Services, Washington, DC, United States (U.S. government)
 PI
        US 4861710
                                   19890829
        US 1986-911863
 ΑI
                                   19860926 (6)
        Utility
 DT
 FS
        Granted
LN.CNT 971
INCL
        INCLM: 435/006.000
        INCLS: 536/027.000; 436/813.000; 436/063.000; 935/078.000; 935/009.000;
                435/252.800
NCL
                435/006.000
        NCLM:
        NCLS:
                435/252.800; 436/063.000; 436/813.000; 536/023.100; 536/023.500;
                930/010.000; 930/DIG.530; 930/DIG.811
        [4]
IC
        ICM: C12Q001-68
        ICS: C07H021-00; C12N001-19; C12N001-185
EXF
        536/27; 435/6; 435/803; 435/253; 435/320; 435/252.8; 935/78; 935/9;
        436/501; 436/813; 436/63; 530/395
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 256 OF 316 USPATFULL on STN
L12
                  USPATFULL
ΑN
        89:49447
TI
        Mammal intestinal hormone precursor and its use
ΙN
        Gafvelin, Guro, Stockholm, Sweden
        Carlquist, Mats, Sundbyberg, Sweden
        Mutt, Viktor, Solna, Sweden
PA
        Kabigen AB, Stockholm, Sweden (non-U.S. corporation)
        us 4840785
ΡI
                                   19890620
                                                                            <--
        wo 8605495
                     19860925
                                                                            <--
ΑI
        US 1986-934449
                                   19861110 (6)
        WO 1986-SE100
                                   19860307
                                             PCT 371 date PCT 102(e) date
                                   19861110
                                   19861110
PRAI
        SE 1985-1203
                              19850311
DT
        Utility
FS
        Granted
LN.CNT 400
INCL
        INCLM: 424/009.000
        INCLS: 514/012.000; 530/309.000; 530/324.000
NCL
        NCLM:
               435/022.000
               436/097.000; 514/012.000; 530/309.000; 530/324.000; 930/010.000; 930/170.000; 930/DIG.821
        NCLS:
IC
        [4]
        ICM: A61K049-00
        ICS: A61K037-24; C07K007-32
        530/309; 530/324; 514/12; 436/501; 424/9
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L12
     ANSWER 257 OF 316 USPATFULL on STN
ΑN
       89:43417
                  USPATFULL
TI
       specific inhibitors of tissue kallikrein
ΙN
       Burton, James A., Jamaica Plain, MA, United States
PA
       The University Hospital, Boston, MA, United States (U.S. corporation)
PΙ
       us 4835253
                                   19890530
       us 1987-33974
ΑI
                                  19870403 (7)
DT
       Utility
FS
       Granted
LN.CNT 868
INCL
       INCLM: 530/330.000
       INCLS: 530/331.000
```

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530/330.000
NCL
        NCLM:
                530/331.000; 930/010.000; 930/020.000; 930/040.000; 930/250.000
        NCLS:
        [4]
IC
        ICM: C07K005-08
        ICS: C07K005-10
        530/329; 514/12
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 258 OF 316 USPATFULL on STN
L12
        89:23404 USPATFULL
ΑN
        Immunotherapeutic anti-inflammatory ***
Hahn, Gary S., Cardiff, CA, United States
                                                     ***peptide***
TI
ΙN
        Immunetech Pharmaceuticals, San Diego, CA, United States (U.S.
PΑ
        corporation)
                                     19890328
PΙ
        us 4816449
        US 1986-939927
                                     19861209 (6)
ΑI
        Continuation-in-part of Ser. No. US 1986-899891, filed on 25 Aug 1986
RLI
        now abandoned which is a continuation of Ser. No. US 1986-824945, filed
        on 3 Feb 1986, now patented, Pat. No. US 4628045 which is a continuation of Ser. No. US 1985-746175, filed on 18 Jun 1985, now abandoned which is
        a continuation-in-part of Ser. No. US 1983-522601, filed on 12 Aug 1983,
        now abandoned
DT
        Utility
        Granted
LN.CNT 1524
        INCLM: 514/017.000
INCL
        INCLS: 530/330.000
NCL
        NCLM:
                 514/017.000
                 530/330.000; 930/010.000; 930/020.000; 930/021.000
        NCLS:
        [4]
IC
        ICM: A61K037-02
        ICS: C07K007-06
        530/330: 514/17
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
      ANSWER 259 OF 316 USPATFULL on STN
112
ΑN
        89:19280 USPATFULL
        Vaccine against varicella-zoster virus
TI
        Ellis, Ronald W., Overbrook Hills, PA, United States
Keller, Paul M., Lansdale, PA, United States
Lowe, Robert S., Harleysville, PA, United States
IN
        Davison, Andrew J., Glasgow, Scotland
        Merck & Co., Inc., Rahway, NJ, United States (U.S. corporation)
PA
                                     19890314
        US 4812559
PΙ
        us 1987-28826
                                     19870323 (7)
ΑI
RLI
        Division of Ser. No. US 1985-762001, filed on 2 Aug 1985, now patented,
        Pat. No. US 4686101
        Utility
DT
FS
        Granted
LN.CNT 723
INCL
        INCLM: 536/027.000
        INCLS: 435/091.000; 435/068.000; 435/070.000; 435/172.300; 435/317.100;
                 435/320.000; 935/012.000
NCL
        NCLM:
                536/023.720
        NCLS:
                435/069.300; 435/091.410; 435/317.100; 930/224.000
IC
        [4]
        ICM: C07H015-12
        ICS: C12P021-02; C12N015-00; C12N001-00
435/68; 435/70; 435/91; 435/235; 435/243; 435/253; 435/372.33; 536/27;
425/85; 425/88; 425/89; 935/12; 935/32; 935/37; 935/57; 935/65
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L12
     ANSWER 260 OF 316 USPATFULL ON STN
ΑN
        88:60696 USPATFULL
TI
        Method for determination of enzyme activity
IN
        Fujii, Setsuro, Toyonaka, Japan
        Sugiyama, Satoshi, Chiba, Japan
        Sawai, Syouzou, Chiba, Japan
Torii & Co., Inc., Tokyo, Japan (non-U.S. corporation)
PA
PΙ
        us 4772553
                                     19880920
        US 1986-875161
ΑI
                                     19860617 (6)
        Continuation-in-part of Ser. No. US 1983-517314, filed on 26 Jul 1983,
RLI
        now abandoned
PRAI
        JP 1982-135534
                                19820803
        Utility
DΤ
FS
        Granted
```

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LN.CNT 722
         INCLM: 435/013.000
INCL
         INCLS: 435/019.000; 435/023.000; 435/184.000
NCL
        NCLM: 435/013.000
                 435/019.000; 435/023.000; 435/184.000; 930/010.000; 930/DIG.785
        NCLS:
         [4]
TC
         ICM: C12Q001-56
ICS: C12Q001-44; C12Q001-38; C12N009-99
EXF 435/13; 435/23; 435/24; 435/29; 435/34; 435/39; 435/184; 435/19; 436/903
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
      ANSWER 261 OF 316 USPATFULL ON STN
L12
         88:55636 USPATFULL
AN
        Antigenic modification of polypeptides
TI
        Stevens, Vernon C., Dublin, OH, United States
IN
        The Ohio State University, Columbus, OH, United States (U.S.
PA
         corporation)
        us 4767842
PΙ
                                       19880830
                                                                                     <--
        US 1987-73570
                                       19870715 (7)
ΑI
        Division of Ser. No. US 1984-667863, filed on 2 Nov 1984, now patented,
RLI
         Pat. No. US 4691006 which is a continuation-in-part of Ser. No. US
        1983-472190, filed on 4 Mar 1983, now patented, Pat. No. US 4526716 which is a continuation-in-part of Ser. No. US 1981-323690, filed on 20
        Nov 1981, now patented, Pat. No. US 4384995 which is a continuation-in-part of Ser. No. US 1981-112628, filed on 16 Jan 1981,
        now patented, Pat. No. US 4302386 which is a division of Ser. No. US
        1978-936876, filed on 25 Aug 1978, now patented, Pat. No. US 4201770 which is a continuation-in-part of Ser. No. US 1975-622031, filed on 14
        Oct 1975, now abandoned which is a continuation-in-part of Ser. No. US 1974-462955, filed on 22 Apr 1974, now abandoned which is a continuation-in-part of Ser. No. US 1973-406821, filed on 16 Oct 1973, now abandoned which is a continuation-in-part of Ser. No. US
         1973-357892, filed on 7 May 1973, now abandoned
DT
         Utility
FS
         Granted
LN.CNT 5101
         INCLM: 530/324.000
INCL
         INCLS: 530/325.000; 530/326.000
                 530/324.000
NCL
         NCLM:
        NCLS:
                 530/325.000; 530/326.000; 930/280.000
IC
         [4]
         ICM: C07K007-10
         530/324; 530/325; 530/326
EXF
      ANSWER 262 OF 316 USPATFULL ON STN
L12
         88:53797
                    USPATFULL
ΑN
        Lipids with plasmin inhibitory properties
TI
        Catsimpoolas, Nicholas, Newton Centre, MA, United States
Trustees of Boston University, Boston, MA, United States (U.S.
ΙN
PA
         corporation)
PΙ
        us 4766111
                                       19880823
        US 1987-11819
ΑĨ
                                       19870323 (7)
RLI
        Division of Ser. No. US 1985-793645, filed on 31 Oct 1985, now patented,
        Pat. No. US 4673667
DT
        Utility
        Granted
FS
LN.CNT 367
         INCLM: 514/025.000
INCL
        INCLS: 514/078.000; 514/822.000; 514/824.000
NCL
                 514/025.000
        NCLM:
                 514/078.000; 514/822.000; 514/824.000
        NCLS:
IC
         Г47
        ICM: A61K031-70
        ICS: A61K031-685
        514/25; 514/78; 514/822; 514/824
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L12
      ANSWER 263 OF 316 USPATFULL on STN
        88:42429 USPATFULL
AN
        Process for the preparation of
                                                 ***peptides***
                                                                       by use of perchlorates
TI
        Konig, Wolfgang, Hofheim am Taunus, Germany, Federal Republic of
IN
        Teetz, Volker, Hofheim am Taunus, Germany, Federal Republic of
        Hoechst Aktiengesellschaft, Germany, Federal Republic of (non-U.S.
PA
        corporation)
        us 4755591
                                       19880705
PΙ
        us 1986-935758
                                      19861128 (6)
ΑI
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PRAI
        DE 1985-3542442
                              19851130
 DT
        Utility
 FS
        Granted
 LN.CNT 644
 INCL
        INCLM: 530/309.000
        INCLS: 530/338.000; 530/339.000
 NCL
        NCLM:
                530/309.000
        NCLS:
               530/338.000; 530/339.000; 930/010.000; 930/DIG.650
        [4]
 IC
        ICM: C07K001-02
        ICS: C07K001-06
        530/309; 530/338; 530/339
 EXF
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 264 OF 316 USPATFULL ON STN
 L12
        88:40628 USPATFULL
 ΑN
        Method of blocking immune complex binding to immunoglobulin Fc receptors
 TI
        Hahn, Gary S., San Diego, CA, United States
 ΙN
        Immunetech Pharmaceuticals, San Diego, CA, United States (U.S.
 PA
        corporation)
        us 4753927
 PΙ
                                  19880628
        US 1986-820137
 ΑI
                                  19860121 (6)
        Division of Ser. No. US 1983-522739, filed on 12 Aug 1983, now patented,
 RLI
        Pat. No. US 4579840
 DT
        Utility
 FS
        Granted
 LN.CNT 1491
 INCL
        INCLM: 514/013.000
        INCLS: 514/014.000; 514/015.000; 514/016.000; 514/017.000; 514/885.000
NCL
        NCLM:
               514/013.000
        NCLS:
               514/014.000; 514/015.000; 514/016.000; 514/017.000; 514/885.000;
               930/010.000; 930/021.000; 930/DIG.802; 930/DIG.811
IC
        [4]
        ICM: A61K037-02
        514/14; 514/15; 514/16; 514/814; 514/824; 514/866; 514/885; 514/886; 514/903; 514/17; 514/18; 514/13
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 265 OF 316 USPATFULL on STN
L12
        88:39188 USPATFULL
ΑN
        Method of blocking immune complex binding to immunoglobulin FC receptors
TI
IN
        Hahn, Gary S., San Diego, CA, United States
PA
        Immunetech Pharmaceuticals, San Diego, CA, United States (U.S.
        corporation)
PΙ
        us 4752601
                                 19880621
                                                                         <--
        US 1986-846930
ΑI
                                 19860401 (6)
       Division of Ser. No. US 1983-522739, filed on 12 Aug 1983, now patented,
RLI
        Pat. No. US 4579840
DT
       Utility
FS
       Granted
LN.CNT 1443
INCL
       INCLM: 514/014.000
       INCLS: 514/015.000; 514/885.000
NCL
       NCLM:
               514/014.000
       NCLS:
               514/015.000; 514/885.000; 930/010.000; 930/021.000; 930/DIG.802;
               930/DIG.811
        ۲4٦
IC
       ICM: A61K037-02
EXF 514/14; 514/15; 514/885 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 266 OF 316 USPATFULL ON STN
L12
ΑN
       88:29501 USPATFULL
       Process for producing human epidermal growth factor and analogs thereof
TI
IN
       Cohen, Charles M., Medway, MA, United States
       Crea, Roberto, Bulingame, CA, United States
PA
       Creative Biomolecules, Inc., Hopkinton, MA, United States (U.S.
       corporation)
PΙ
       US 4743679
US 1986-832337
                                 19880510
                                                                        <--
ΑI
                                 19860224 (6)
DT
       Utility
FS
       Granted
LN.CNT 786
INCL
       INCLM: 530/350.000
       INCLS: 530/324.000; 935/047.000; 935/048.000
NCL
       NCLM:
              530/350.000
```

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530/324.000; 930/120.000; 930/260.000; 930/300.000
       NCLS:
IC
        [4]
        ICM: C07K013-00
       ICS: C07K007-10; C12N015-00
        530/324; 530/350; 935/47; 935/48
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L12
     ANSWER 267 OF 316 USPATFULL ON STN
        87:75074 USPATFULL
AN
       water-soluble acylated derivatives of
                                                  ***peptides***
                                                                     or amino acids,
TI
       their preparation and their use
       Monsigny, Michel, Saint Cyr En Val, France
IN
       Mayer, Roger, Orleans, France
       Centre National de la Recherche Scientifique (CNRS), Paris, France
PA
        (non-U.S. government)
                                  19871027
PΙ
       us 4703107
                                                                          <--
                                  19851203 (6)
       us 1985-804115
AΤ
RLI
       Continuation-in-part of Ser. No. US 1984-610112, filed on 14 May 1984,
       now abandoned
       FR 1983-8051
PRAI
                             19830516
       Utility
DT
       Granted
FS
LN.CNT 927
        INCLM: 530/330.000
INCL
        INCLS: 530/331.000
NCL
       NCLM:
               530/330.000
               530/331.000; 930/020.000; 930/021.000; 930/280.000; 930/DIG.785;
       NCLS:
               930/DIG.802
        [4]
IC
        ICM: C07K007-06
        ICS: C07K005-06; C07K005-08; C07K005-10
        548/227; 530/330; 530/331
FXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 268 OF 316 USPATFULL on STN
L12
        87:56973 USPATFULL
ΑN
TI
       Immunotherapeutic polypeptide agents which block immune complex binding
       to immunoglobulin Fc receptors
ΙN
       Hahn, Gary S., San Diego, CA, United States
       Immunetech, Inc., San Diego, CA, United States (U.S. corporation)
US 4686282 19870811 <--
PA
       US 4686282
PΙ
       US 1983-522738
AΙ
                                  19830812 (6)
       Utility
DT
FS
       Granted
LN.CNT 1423
       INCLM: 530/327.000
INCL
        INCLS: 530/328.000; 530/329.000
               530/327.000
NCL
       NCLM:
       NCLS:
               530/328.000; 530/329.000; 930/010.000; 930/DIG.802; 930/DIG.811
        [4]
IC
        ICM: C07K007-06
        ICS: C07K007-08
EXF
        260/112.5R: 530/327: 530/328: 530/329
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L12
     ANSWER 269 OF 316 USPATFULL on STN
ΑN
       87:56794 USPATFULL
TI
       Vaccine against varicella-zoster virus
       Ellis, Ronald W., Overbrook Hills, PA, United States
Lowe, Robert S., Harleysville, PA, United States
Keller, Paul M., Lansdale, PA, United States
IN
       Davison, Andrew J., Glasgow, Scotland
PA
       Merck & Co., Inc., Rahway, NJ, United States (U.S. corporation)
                                  19870811
PΙ
       us 4686101
ΑI
       US 1985-762001
                                  19850802 (6)
       Utility
DT
FS
       Granted
LN.CNT
       470
       INCLM: 424/088.000
INCL
       INCLS: 530/350.000
               424/186.100
NCL
       NCLM:
               424/230.100; 530/350.000; 530/389.400; 536/023.720; 930/224.000
       NCLS:
IC
       [4]
       ICM: A61K039-00
       ICS: C07K013-00
EXF
       435/84; 424/88; 530/350
```

```
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L12
      ANSWER 270 OF 316 USPATFULL ON STN
        87:53730 USPATFULL
ΑN
TI
        Immunotherapeutic polypeptide agents which bind to lymphocyte
        immunoglobulin FC receptors
IN
        Hahn, Gary S., San Diego, CA, United States
        Immunetech, Inc., San Diego, CA, United States (U.S. corporation) US 4683292 19870728
PA
PΙ
        US 1983-522602
ΑI
                                  19830812 (6)
DT
        Utility
FS
        Granted
LN.CNT 1495
INCL
        INCLM: 530/328.000
NCL
        NCLM:
               530/328.000
               930/010.000; 930/020.000; 930/DIG.785; 930/DIG.788; 930/DIG.802;
        NCLS:
               930/DIG.811
IC
        [4]
        ĪCM: C07K007-06
        260/112.5R
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L12
     ANSWER 271 OF 316 USPATFULL on STN
        87:52156 USPATFULL
ΑN
ΤI
        Enzymatic assay method
        Matsumoto, Kunio, Shizuoka, Japan
IN
        Hirata, Tsutomu, Shizuoka, Japan
        Toyo Jozo Kabushiki Kaisha, Shizuoka, Japan (non-U.S. corporation)
US 4681841 19870721 <--
PA
PΙ
        US 1983-538680
ΑI
                                  19831003 (6)
        JP 1982-173569
PRAI
                             19821001
        Utility
DT
        Granted
FS
LN.CNT 1896
INCL
        INCLM: 435/018.000
        INCLS: 435/004.000; 435/014.000; 435/019.000; 435/021.000; 435/022.000;
               435/023.000; 435/024.000; 435/025.000; 435/817.000
        NCLM:
NCL
               435/018.000
               435/004.000; 435/014.000; 435/019.000; 435/021.000; 435/022.000; 435/023.000; 435/024.000; 435/025.000; 435/817.000
        NCLS:
IC
        [4]
        ICM: C12Q001-00
        ICS: C12Q001-34; C12Q001-44; G01N033-50
        435/4; 435/14; 435/18; 435/19; 435/21; 435/22; 435/23; 435/24; 435/25;
EXF
        435/28: 435/817
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L12
     ANSWER 272 OF 316 USPATFULL on STN
AN
        87:43347
                 USPATFULL
TI
        Lipids with plasmin inhibitory properties
        Catsimpoolas, Nicholas, Newton Centre, MA, United States
IN
PA
        Trustees of Boston University, Boston, MA, United States (U.S.
        corporation)
       us 4673667
PΙ
                                  19870616
                                                                          <--
       US 1985-793645
ΑI
                                 19851031 (6)
DT
       Utility
FS
        Granted
LN.CNT 355
INCL
       INCLM: 514/025.000
       INCLS: 514/054.000
NCL
       NCLM:
               514/025.000
               514/054.000
       NCLS:
        [4]
       ICM: A61K031-70
       ICS: A61K031-715
       424/95; 514/54; 514/25
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 273 OF 316 USPATFULL on STN
L12
       87:36197 USPATFULL
ΑN
       Method for producing an active protein
TI
IN
       Ishida, Torao, Nagareyama, Japan
       Asahi Kasei Kogyo Kabushiki Kaisha, Osaka, Japan (non-U.S. corporation)
PA
ΡI
       us 4667017
                                 19870519
       us 1984-640819
ΑI
                                 19840815 (6)
       JP 1983-148026
```

19830815

PRAI

```
DT
       Utility
FS
       Granted
LN.CNT 1917
INCL
       INCLM: 530/402.000
       INCLS: 530/339.000
               530/402.000
NCL
       NCLM:
       NCLS:
               530/339.000; 930/010.000; 930/141.000; 930/142.000; 930/240.000
        [4]
IC
       ICM: C07K001-02
       260/112.5R; 530/402; 530/339
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L12
     ANSWER 274 OF 316 USPATFULL on STN
AN
       87:34067 USPATFULL
TI
       Chromogenic compounds, a process for their preparation and their use
IN
       Heber, Helmut, Marburg, Germany, Federal Republic of
       Eberle, Reinhard, Lahntal, Germany, Federal Republic of Teetz, Volker, Hofheim am Taunus, Germany, Federal Republic of Behringwerke Aktiengesellschaft, Germany, Federal Republic of (non-U.S.
PA
       corporation)
       US 4665016
PΙ
                                  19870512
ΑI
       us 1986-843919
                                  19860321 (6)
       Continuation of Ser. No. US 1985-691867, filed on 16 Jan 1985, now
RLI
       abandoned which is a division of Ser. No. US 1983-554942. filed on 25
       Nov 1983, now patented, Pat. No. US 4508644
PRAI
       GB 1982-3244030
                             19821127
       Utility
DT
FS
       Granted
LN.CNT 1133
       INCLM: 435/023.000
INCL
NCL
       NCLM:
               435/023.000
               930/020.000; 930/021.000; 930/280.000; 930/DIG.782; 930/DIG.783;
       NCLS:
               930/DIG.785
IC
       [4]
       ICM: C12Q001-38
EXF
       435/23
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L12
     ANSWER 275 OF 316 USPATFULL on STN
       87:18705 USPATFULL
ΑN
TI
       Novel substrates for use in measuring the concentration of kallikrein in
IN
       Nagasawa, Takeshi, Urawa, Japan
       Nakamura, Yoshio, Koriyama, Japan
       Kuroiwa, Katsumasa, Koriyama, Japan
PA
       Nitto Boseki Co., Ltd., Fukushima, Japan (non-U.S. corporation)
PI
       us 4650753
                                  19870317
       us 1985-749890
ΑI
                                  19850627 (6)
       JP 1984-137230
PRAI
                             19840704
       Utility
DT
FS
       Granted
LN.CNT 551
       INCLM: 435/023.000
INCL
       INCLS: 435/810.000; 530/331.000; 530/802.000
       NCLM:
NCL
               435/023.000
       NCLS:
               435/810.000; 530/331.000; 530/802.000
       [4]
IC
       ICM: C12Q001-38
       ICS: C07K005-08
       530/331; 530/802; 435/23; 435/810
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L12
     ANSWER 276 OF 316 USPATFULL ON STN
ΑN
       86:69742 USPATFULL
ΤI
       Immunotherapeutic antiallergic polypeptide agents which bind to basophil
       immunoglobin Fc receptors
ΙN
       Hahn, Gary S., Solana Beach, CA, United States
       Immunetech Pharmaceuticals, San Diego, CA, United States (U.S.
PA
       corporation)
PΙ
       US 4628045
                                  19861209
       US 1986-824945
ΑI
                                 19860203 (6)
RLI
       Continuation of Ser. No. US 1985-746175, filed on 18 Jun 1985, now
       abandoned which is a continuation-in-part of Ser. No. US 1983-522601,
       filed on 12 Aug 1983, now abandoned
       ZA 1984-6192
                             19840809
PRAI
DT
       Utility
```

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FS
       Granted
LN.CNT 1813
INCL
        INCLM: 514/017.000
        INCLS: 530/330.000
               514/017.000
NCL
       NCLM:
              530/330.000; 930/010.000; 930/DIG.802
       NCLS:
        Γ41
IC
        ICM: A61K037-02
        ICS: C07K007-06
       514/17; 530/330
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
    ANSWER 277 OF 316 USPATFULL ON STN
L12
       86:18655 USPATFULL
AN
       Method of blocking immune complex binding to immunoglobulin Fc receptors
TI
       Hahn, Gary S., San Diego, CA, United States
ΙN
       Immunetech Pharmaceuticals, San Diego, CA, United States (U.S.
PA
       corporation)
       us 4579840
PI
                                  19860401
       US 1983-522739
                                  19830812 (6)
ΑI
       Utility
DT
FS
       Granted
LN.CNT 1475
INCL
        INCLM: 514/014.000
       INCLS: 514/015.000; 514/016.000; 514/017.000; 514/018.000; 260/112.500R
               514/014.000
NCL
       NCLM:
               514/015.000; 514/016.000; 514/017.000; 514/018.000; 530/327.000; 530/328.000; 530/329.000; 530/330.000; 530/387.100; 530/861.000;
       NCLS:
               530/866.000; 530/868.000; 930/010.000; 930/020.000; 930/021.000;
               930/DIG.802
IC
        [4]
       ICM: A61K037-00
        ICS: C07C103-52
EXF 260/112.5R; 514/14; 514/15; 514/16; 514/17; 514/18 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 278 OF 316 USPATFULL ON STN
L12
       86:6593
                USPATFULL
ΑN
TI
       Tripeptide derivatives
ΙN
       Svendsen, Lars G., Reinach, Switzerland
PA
       Pentapharm AG, Basel, Switzerland (non-U.S. corporation)
PΙ
       US 4568636
                                  19860204
       US 1983-548438
ΑI
                                  19831103 (6)
       Division of Ser. No. US 1981-247621, filed on 25 Mar 1981, now patented,
RLI
       Pat. No. US 4428874
       Utility
DT
FS
       Granted
LN.CNT 2901
INCL
        INCLM: 435/013.000
       INCLS: 435/023.000; 435/184.000
NCL
       NCLM:
              435/013.000
       NCLS: 435/023.000; 435/184.000
IC
        [4]
        ICM: C12Q001-56
       ICS: C12Q001-38
       435/4; 435/23; 435/24; 435/13; 435/184
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L12
     ANSWER 279 OF 316 USPATFULL on STN
       86:824 USPATFULL
ΑN
TI
       Radiolabelled substrates for assaying mammalian enzymes
       Ryan, James W., Miami, FL, United States
Chung, Alfred, Miami, FL, United States
IN
PA
       University of Miami, Miami, FL, United States (U.S. corporation)
                                  19860107
       us 4563305
PΙ
       US 1981-222980
ΑI
                                  19810107 (6)
DT
       Utility
       Granted
LN.CNT 1791
       INCLM: 260/112.500R
INCL
               530/331.000
NCL
       NCLM:
               260/001.000; 530/802.000; 930/020.000; 930/021.000; 930/280.000;
       NCLS:
               930/DIG.803
        [4]
IC
        ICM: C07C103-52
```

EXF

435/7; 260/112.5R

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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
      ANSWER 280 OF 316 USPATFULL on STN
L12
ΑN
         85:38682 USPATFULL
         Antigenic modification of polypeptides
TI
         Stevens, Vernon C., Dublin, OH, United States
IN
         The Ohio State University, Columbus, OH, United States (U.S.
PA
         corporation)
PΙ
         us 4526716
                                        19850702
                                                                                         <--
                                        19830304 (6)
         us 1983-472190
ΑI
        Continuation-in-part of Ser. No. US 1981-323690, filed on 20 Nov 1981, now patented, Pat. No. US 4384995 which is a continuation-in-part of Ser. No. US 1980-112628, filed on 16 Jan 1980, now patented, Pat. No. US 4302386 which is a division of Ser. No. US 1978-936876, filed on 25 Aug 1978, now patented, Pat. No. US 4201770 which is a continuation-in-part of Ser. No. US 1975-622031, filed on 14 Oct 1975, now abandoned which is a continuation-in-part of Ser. No. US 1975-622031, filed on 14 Oct 1975, filed on 22 Apr. 1974
RLI
         a continuation-in-part of Ser. No. US 1974-462955, filed on 22 Apr 1974,
         now abandoned which is a continuation-in-part of Ser. No. US
         1973-406821, filed on 16 Oct 1973, now abandoned which is a
         continuation-in-part of Ser. No. US 1973-357892, filed on 7 May 1973,
         now abandoned
DT
         Utility
FS
         Granted
LN.CNT 4082
         INCLM: 260/112.500R
INCL
         INCLS: 260/112.000R
                  530/403.000
NCL
         NCLM:
                  530/324.000; 530/404.000; 530/806.000; 930/110.000
         NCLS:
         [3]
IC
         ICM: C07C103-52
         ICS: C07G007-00
         424/177; 260/112.5R; 260/112R
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
      ANSWER 281 OF 316 USPATFULL on STN
AN
         85:19238 USPATFULL
         Chromogenic compounds, a process for their preparation and their use
ΤI
         Heber, Helmut, Marburg, Germany, Federal Republic of
IN
         Eberle, Reinhard, Lahntal, Germany, Federal Republic of Teetz, Volker, Hofheim am Taunus, Germany, Federal Republic of Behringwerke Aktiengesellschaft, Germany, Federal Republic of (non-U.S.
PA
         corporation)
PΙ
         us 4508644
                                        19850402
                                                                                         <--
ΑI
         US 1983-554942
                                        19831125 (6)
         DE 1982-3244030
                                   19821127
PRAI
DT
         Utility
FS
         Granted
LN.CNT 1094
INCL
         INCLM: 260/112.500R
                  530/331.000
NCL
         NCLM:
         NCLS:
                  530/332.000; 930/010.000; 930/020.000; 930/021.000; 930/280.000;
                  930/DIG.782; 930/DIG.783; 930/DIG.785; 930/DIG.803
IC
         Г31
         ICM: C07C103-52
EXF
         260/112.5R
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L12
      ANSWER 282 OF 316 USPATFULL ON STN
AN
         85:16241 USPATFULL
         7-Amino-4-trifluoromethylquinolone derived substrates and method for
TI
         determining enzymes and inhibitors
         Rasnick, David W., Sunol, CA, United States
         Bissell, Eugene R., Alamo, CA, United States
PΑ
         Enzyme Systems Products, Dublin, CA, United States (U.S. corporation)
         US 4505852
US 1982-445280
PΙ
                                        19850319
ΑI
                                        19821129 (6)
DT
         Utility
FS
         Granted
LN.CNT 532
INCL
         INCLM: 260/112.500R
NCL
                  530/329.000
         NCLM:
                  530/330.000; 930/021.000; 930/DIG.782
IC
         [3]
```

ICM: C07C103-52 260/112.5R

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

EXF

```
L12
     ANSWER 283 OF 316 USPATFULL on STN
       84:63664 USPATFULL Method of preparation of human urine origin colony-stimulating factor
ΑN
ΤI
        and kallikrein
IN
        Funakoshi, Satoshi, Katano, Japan
        Morimoto, Kazuo, Fukuchiyama, Japan
        Kuboyama, Morio, Tokyo, Japan
        Yanai, Nobuya, Tokyo, Japan
        Yamada, Muneo, Kawasaki, Japan
        Yokota, Hajime, Tokyo, Japan
       The Green Cross Corp., Osaka, Japan (non-U.S. corporation)
Morinaga Milk Industry Co., Ltd., Tokyo, Japan (non-U.S. corporation)
PA
        us 4482485
                                  19841113
PΙ
        US 1984-568259
                                   19840104 (6)
ΑI
        JP 1983-11317
                              19830128
PRAI
        Utility
DT
FS
        Granted
LN.CNT 473
        INCLM: 260/112.000R
INCL
        INCLS: 424/099.000; 424/177.000; 260/112.500R; 435/219.000; 435/226.000
                530/397.000
NCL
        NCLM:
               424/545.000; 435/219.000; 435/226.000; 514/929.000; 530/351.000;
        NCLS:
                530/395.000; 530/417.000; 530/834.000
        [3]
IC
        ICM: A61K035-22
        ICS: C07G007-00
        260/112r; 260/112.5r; 435/219; 435/226; 424/99; 424/177
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L12
     ANSWER 284 OF 316 USPATFULL on STN
        84:37088
                  USPATFULL
ΑN
TI
        Chromogenic compounds and their use as enzyme substrates
        Karges, Hermann E., Marburg an der Lahn, Germany, Federal Republic of
IN
        Heber, Helmut, Marburg an der Lahn, Germany, Federal Republic of
        Uhmann, Rainer, Kriftel, Germany, Federal Republic of
        Teetz, Volker, Hofheim am Taunus, Germany, Federal Republic of
        Geiger, Rolf, Frankfurt am Main, Germany, Federal Republic of
PΑ
        Behringwerke Aktiengesellschaft, Marburg an der Lahn, Germany, Federal
        Republic of (non-U.S. corporation)
        US 4457866
PΙ
                                   19840703
                                                                            <--
ΑI
        us 1982-435610
                                   19821019 (6)
        Continuation of Ser. No. US 1980-185007, filed on 8 Sep 1980, now
RLI
        abandoned
PRAI
        DE 1979-2936543
                              19790910
        Utility
DT
FS
        Granted
LN.CNT 990
        INCLM: 260/112.500R
INCL
        INCLS: 435/004.000
NCL
        NCLM:
               530/329.000
               435/004.000; 530/330.000; 530/331.000; 530/802.000; 930/010.000; 930/020.000; 930/021.000; 930/023.000; 930/024.000; 930/280.000; 930/DIG.782; 930/DIG.785; 930/DIG.802
        NCLS:
IC
        [3]
        ICM: C07C103-52
        ICS: C12Q001-00
EXF
        260/112.5R; 435/4
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 285 OF 316 USPATFULL on STN
L12
        84:5881 USPATFULL
ΑN
TI
        Tripeptide derivatives
IN
        Svendsen, Lars G., Reinach, Switzerland
        Pentapharm A.G., Basel, Switzerland (non-U.S. corporation)
PA
PΙ
        US 4428874
                                  19840131
        US 1981-247621
ΑI
                                  19810325 (6)
        Utility
DT
FS
        Granted
LN.CNT 2828
        INCLM: 260/112.500R
INCL
        INCLS: 435/024.000
               530/331.000
NCL
        NCLM:
               435/024.000
        NCLS:
IC
        [3]
        ICM: C07C103-52
```

```
ICS: C12Q001-36
         260/112.5R; 435/24
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L12
      ANSWER 286 OF 316 USPATFULL on STN
        83:45202 USPATFULL
AN
TI
         Purification of nucleotide sequences suitable for expression in bacteria
IN
        Goodman, Howard M., San Francisco, CA, United States
        Shine, John, San Francisco, CA, United States
        Seeburg, Peter H., San Francisco, CA, United States
The Regents of the University of California, Berkeley, CA, United States
PA
         (U.S. corporation)
PΙ
        US 4407948
                                     19831004
        US 1982-346123
                                     19820205 (6)
AΙ
        Division of Ser. No. US 1978-897710, filed on 19 Apr 1978, now patented,
RLI
        Pat. No. US 4363877 And a continuation-in-part of Ser. No. US
        1977-836218, filed on 23 Sep 1977, now abandoned
DT
        Utility
        Granted
FS
LN.CNT 1534
        INCLM: 435/091.000
INCL
        INCLS: 435/172.000
                435/091.520
NCL
        NCLM:
        NCLS:
                435/091.530; 435/270.000; 536/023.100; 930/010.000; 930/120.000
         [3]
IC
        ICM: C12P019-34
        ICS: C12N015-00
        435/93; 435/91; 435/172
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 287 OF 316 USPATFULL ON STN 82:60425 USPATFULL
L12
AN
TI
        Recombinant DNA transfer vectors
IN
        Goodman, Howard M., San Francisco, CA, United States
        Shine, John, San Francisco, CA, United States
        Seeburg, Peter H., San Francisco, CA, United States
        The Regents of the University of California, Berkeley, CA, United States
PA
         (U.S. corporation)
        US 4363877
PΤ
                                     19821214
                                                                                 <--
        US 1978-897710
ΑТ
                                     19780419 (5)
RLI
        Continuation-in-part of Ser. No. US 1977-836218, filed on 23 Sep 1977,
        now abandoned
DT
        Utility
FS
        Granted
LN.CNT 1758
INCL
        INCLM: 435/317.000
        INCLS: 435/172.000; 435/068.000; 435/091.000; 435/849.000
NCL
        NCLM:
                435/320.100
                435/069.400; 435/091.410; 435/849.000; 536/023.510; 930/010.000;
        NCLS:
                930/120.000
        [3]
IC
        ICM: C12N001-00
EXF
        435/172; 435/317; 435/820; 435/68
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L12
     ANSWER 288 OF 316 USPATFULL on STN
        81:16479 USPATFULL
ΑN
        Pentapeptide modified resin
TT
        Goldstein, Gideon, Short Hills, NJ, United States
IN
        Schlesinger, David H., Lombard, IL, United States
        sloan-Kettering Institute for Cancer Research, New York, NY, United
PA
        States (U.S. corporation)
PΙ
        US 4258151
                                     19810324
ΑI
        us 1979-47907
                                     19790612 (6)
        Division of Ser. No. US 1979-6894, filed on 26 Jan 1979, now patented, Pat. No. US 4190647, issued on 26 Feb 1980 which is a continuation-in-part of Ser. No. US 1977-851778, filed on 15 Dec 1977, now abandoned which is a continuation-in-part of Ser. No. US
RLI
        1975-631176, filed on 11 Nov 1975, now abandoned
DT
        Utility
FS
        Granted
LN.CNT 772
INCL
        INCLM: 525/327.000
        INCLS: 260/009.000; 525/058.000; 525/061.000; 525/332.000; 525/335.000; 525/381.000; 525/382.000; 525/379.000; 525/380.000; 525/386.000; 528/310.000; 528/328.000; 536/030.000
```

```
NCL
        NCLM:
                525/054.110
                523/105.000; 524/021.000; 525/058.000; 525/061.000; 525/379.000;
        NCLS:
                525/380.000; 525/381.000; 525/382.000; 525/386.000; 528/310.000; 528/328.000; 536/030.000; 930/010.000; 930/180.000; 930/280.000
 IC
         [1]
         ICM: C08F008-30
        528/328; 528/310; 260/9; 260/58; 525/61; 525/327; 525/332; 525/335;
 EXF
        525/380; 536/30
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L12
      ANSWER 289 OF 316 USPATFULL on STN
        80:57708 USPATFULL
 ΑN
 TI
        .alpha.-N-Acetyl-L-phenylalanyl-L-arginine ethyl ester
        Fiedler, Franz, Munich, Germany, Federal Republic of
Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of
 IN
 PA
        (non-U.S. corporation) US 4234477
PΙ
                                   19801118
        US 1979-18702
ΑI
                                   19790308 (6)
PRAI
        DE 1978-2813772
                              19780330
        Utility
DT
FS
        Granted
LN.CNT 260
INCL
        INCLM: 260/112.500R
        INCLS: 435/024.000
NCL
        NCLM:
               560/034.000
        NCLS:
               260/001.000; 435/024.000
IC
        [1]
        ICM: C07C103-52
        ICS: C12Q001-36
        260/112.5R; 435/24
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 290 OF 316 USPATFULL on STN
L12
AN
        80:7863 USPATFULL
        Process for determining bacterial endotoxin and reagents used therefor
TI
IN
        Iwanaga, Sadaaki, Suita, Japan
        Morita, Takashi, Takatsuki, Japan
        Nakamura, Shin, Inuyama, Japan
        Takahashi, Kenji, Inuyama, Japan
        Niwa, Makoto, Sakai, Japan
        Seikagaku Kogyo Co. Ltd., Tokyo, Japan (non-U.S. corporation)
US 4188264 19800212
PA
PI
        US 1977-847582
ΑI
                                   19771101 (5)
PRAI
        JP 1977-70335
                              19770614
        Utility
DT
FS
        Granted
LN.CNT 534
INCL
        INCLM: 023/230.000B
        INCLS: 435/019.000; 435/023.000
NCL
        NCLM:
               435/018.000
        NCLS:
               435/019.000; 435/023.000; 930/021.000; 930/280.000; 930/DIG.785;
               930/DIG.803
        [2]
IC
        ICM: G01N031-14
EXF
        195/99: 195/103.5R
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L12
     ANSWER 291 OF 316 USPATFULL ON STN
ΑN
       79:42224 USPATFULL
TI
       Polypeptide agents for blocking the human allergic response
       Hamburger, Robert N., La Jolla, CA, United States
ΙN
PA
       The Regents of the University of California, Berkeley, CA, United States
       (U.S. corporation)
US 4171299
PΙ
                                  19791016
       US 1976-652868
AΤ
                                  19760127 (5)
       Continuation-in-part of Ser. No. US 1975-565425, filed on 4 Apr 1975,
RLI
       now abandoned
DT
       Utility
FS
       Granted
LN.CNT 1012
INCL
       INCLM: 260/112.500R
NCL
       NCLM: 530/329.000
              530/328.000; 530/330.000; 530/331.000; 930/010.000
       NCLS:
IC
       [2]
       ICM: C07C103-52
       260/112.5R
EXF
```

```
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 292 OF 316 USPATFULL ON STN
L12
ΑN
       79:31571 USPATFULL
       Method for blocking allergic responses
TI
       Hamburger, Robert N., La Jolla, CA, United States
The Regents of the University of California, Berkeley, CA, United States
IN
PA
        (U.S. corporation)
PΙ
       US 4161522
                                 19790717
                                                                          <--
ΑI
       us 1978-940323
                                 19780907 (5)
       Continuation-in-part of Ser. No. US 1976-652868, filed on 27 Jan 1976,
RLI
       now Defensive Publication No. which is a continuation-in-part of Ser.
       No. US 1975-565425, filed on 4 Apr 1975, now abandoned
       Utility
DT
       Granted
LN.CNT 1152
       INCLM: 424/177.000
INCL
       INCLS: 260/112.500R
NCL
       NCLM:
               514/015.000
       NCLS:
               514/016.000; 514/017.000; 514/018.000; 530/328.000; 530/329.000;
               530/330.000; 530/331.000; 930/010.000
IC
        [2]
       ICM: A61K037-00
       ICS: C07C103-52
       424/177; 260/112.5R
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 293 OF 316 USPATFULL on STN
L12
       78:63772 USPATFULL
ΑN
TI
       Octapeptide useful for the treatment of diabetes
       Bornstein, Joseph, Clayton, Australia
Choay S.A., Paris, France (non-U.S. corporation)
US 4125606 19781114
IN
PA
ΡI
       US 1975-644845
                                 19751229 (5)
ΑI
       FR 1974-43513
PRAI
                             19741231
DT
       Utility
FS
       Granted
LN.CNT 639
INCL
       INCLM: 424/178.000
       INCLS: 260/112.500R; 424/177.000
NCL
               514/016.000
       NCLM:
               514/866.000; 530/328.000; 930/DIG.802
       NCLS:
        [2]
IC
       ICM: A61K037-00
       ICS: A61K037-26; C07C103-52
       260/112.5R; 260/112.7; 424/177; 424/178
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 294 OF 316 USPATFULL on STN
L12
ΑN
       78:34881 USPATFULL
       Process for the purification and manufacture of secretin
ΤI
       Konig, Wolfgang, Hofheim am Taunus, Germany, Federal Republic of
IN
       Geiger, Rolf, Frankfurt am Main, Germany, Federal Republic of
       Obermeier, Rainer, Hattersheim, Germany, Federal Republic of
       Teetz, Volker, Hofheim am Taunus, Germany, Federal Republic of
PA
       Hoechst Aktiengesellschaft, Frankfurt am Main, Germany, Federal Republic
       of (non-U.S. corporation)
PΙ
       us 4098779
                                 19780704
                                                                          <--
       US 1977-785181
ΑI
                                 19770406 (5)
PRAI
       DE 1976-2615229
                             19760408
       Utility
DT
FS
       Granted
LN.CNT 311
       INCLM: 260/112.500R
INCL
NCL
       NCLM: 530/309.000
       NCLS:
              530/344.000; 930/010.000; 930/DIG.651
IC
       [2]
       ICM: C07C103-52
       260/112.5R
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 295 OF 316 USPATFULL ON STN
L12
ΑN
       77:8303 USPATFULL
```

Nonapeptide amide analogs of luteinizing releasing hormone

Fujino, Masahiko, Takarazuka, Japan Fukuda, Tsunehiko, Osaka, Japan

TI

IN

```
Shinagawa, Susumu, Osaka, Japan
        Takeda Chemical Industries, Ltd., Osaka, Japan (non-U.S. corporation)
PA
                                   19770215
        us 4008209
PΙ
ΑI
        US 1975-595308
                                   19750711 (5)
        Continuation of Ser. No. US 1974-509357, filed on 24 Sep 1974, now
RLI
        abandoned
        JP 1973-109951
                               19730929
PRAI
        JP 1974-27442
                               19740308
DT
        Utility
FS
        Granted
LN.CNT 1388
INCL
        INCLM: 260/112.500LH
        INCLS: 424/177.000
        NCLM:
                530/313.000
NCL
                514/800.000; 530/328.000; 930/020.000; 930/021.000; 930/130.000; 930/DIG.698; 930/DIG.782; 930/DIG.783; 930/DIG.785
        NCLS:
        [2]
IC
        ICM: C07C103-52
        ICS: A61K037-00
        260/112.5LH
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 296 OF 316 USPATFULL ON STN
112
        75:27839 USPATFULL
ΑN
TI
        New substrates for diagnostic use, with high susceptibility to trypsin
                                                          ***peptide***
        and other proteolytic enzymes of the type
        peptidohydrolases
        Claeson, Karl Goran, Goteborg, Sweden
IN
        Karlsson, Birgitta Gunilla, Goteborg, Sweden
        Svendsen, Lars-Gundro, Molndal, Sweden
        AB Bofors, Bofors, Sweden (non-U.S. corporation)
PA
PΙ
        US 3886136
                                   19750527
                                                                               <--
       US 1973-354038
SE 1972-5758
Utility
                                   19730424 (5)
AΙ
PRAI
                               19720502
DT
FS
        Granted
LN.CNT 976
INCL
        INCLM: 260/112.500
        INCLS: 195/103.500; 424/177.000
        NCLM: 530/331.000
NCL
        NCLS: 435/013.000; 435/024.000; 530/802.000; 546/171.000
IC
        [1]
        ICM: C07C103-52
        ICS: C07G007-00; A61K027-00
        260/112.5
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
                                   COPYRIGHT 2003 THOMSON DERWENT on STN
     ANSWER 297 OF 316 WPIDS
     1995-147389 [19]
ΑN
                           WPIDS
     C1995-068409
DNC
TI
     New endothelial monocyte activating polypeptide II - induces chemotaxis,
     inflammation and tissue factor, useful for treating tumours, also related
     antibodies, DNA and active fragments.
DC
     B04 D16
ΙN
     CLAUSS, M; KAO, J; KAYTON, M; LIBUTTI, S K; STERN, D M
     (UYCO) UNIV COLUMBIA NEW YORK
PA
CYC
     21
PΙ
     wo 9509180
                     A1 19950406 (199519)* EN 180p
                                                             C07K001-36
         RW: AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
          W: AU CA JP US
                     A 19950418 (199531)
                                                             C07K001-36
     AU 9479615
                                                                                <--
     EP 721463
                     A1 19960717 (199633)
                                              ΕN
                                                             C07K001-36
          R: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
641867 A 19970624 (199731) 45p C07K016-24
     us 5641867
                                                             C07K016-24
     JP 09505987
                         19970617 (199734)
                                                    162p
                                                             C12N015-09
                     W
                     A4 19970625 (199746)
     EP 721463
                                                             C07K001-36
     US 6228837
                      B1 20010508 (200128)
                                                             A61K038-00
     US 2002160957 A1 20021031 (200274)
                                                             A61K038-10
ADT
     WO 9509180 A1 WO 1994-US11085 19940929; AU 9479615 A AU 1994-79615
     19940929; EP 721463 A1 EP 1994-930525 19940929, WO 1994-US11085 19940929;
     US 5641867 A US 1993-129456 19930929; JP 09505987 W WO 1994-US11085 19940929, JP 1995-510465 19940929; EP 721463 A4 EP 1994-930525; US 6228837 B1 CIP of US 1993-129456 19930929, WO 1994-US11085 19940929, US 1996-360821 19961008; US 2002160957 A1 CIP of US 1993-129456 19930929,
     Cont of US 1996-360821 19961008, US 2001-851026 20010507
FDT AU 9479615 A Based on WO 9509180; EP 721463 A1 Based on WO 9509180; JP
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09505987 W Based on WO 9509180; US 6228837 B1 CIP of US 5641867, Based on
     WO 9509180
PRAI US 1993-129456
                       19930929; US 1996-360821
                                                    19961008
         A61K038-00; A61K038-10; C07K001-36; C07K016-24; C12N015-09
     ICM
IC
          A61K038-19; A61K039-00; A61K049-00; C07K007-08; C07K014-52;
          C07K016-06; C07K016-18; C12P021-02; C12P021-08; C12Q001-02;
          G01N033~53
    A61K039-395; C07H021-04
ICA
L12
     ANSWER 298 OF 316 WPIDS COPYRIGHT 2003 THOMSON DERWENT ON STN
     1992-427200 [52]
                         WPIDS
ΑN
     c1992-189586
DNC
           ***peptide*** (s) isolated from atrium, ventricle or brain of shark
     New
TT

    used as diuretics, antihypertensives and vasodilators.

     в04
DC
     (SUMQ) SUMITOMO METAL IND LTD
PA
CYC
     JP 04321699
                  A 19921111 (199252)*
                                                  8p
                                                        C07K007-08
PΙ
     JP 04321699 A JP 1991-90777 19910422
ADT
PRAI JP 1991-90777
                       19910422
     ICM C07K007-08
     ICS
          A61K037-02; A61K037-24; C07K007-10; C07K013-00
ICI
     C07K099:00
L12
     ANSWER 299 OF 316 WPIDS
                               COPYRIGHT 2003 THOMSON DERWENT on STN
     1992-090038 [12]
                         WPIDS
ΑN
     C1992-041458
DNC
                               ***peptide***
     Rat C-type natriuretic
                                                CDNA and precursor protein - for
TI
     pharmaceutical use and for elucidating C-type NP mechanism of action.
DC
ΙN
     KANGAWA, K; KOJIMA, M; MATSUO, H; MINAMINO, N; MINAMITO, N
PA
     (MATS-I) MATSUO H; (SUNR) SUNTORY LTD; (MATS-I) MATSUO T; (MATS-I) MATSUO
CYC
     16
PΙ
     EP 475394
                    A 19920318 (199212)*
         R: AT BE CH DE DK ES FR GB GR IT LI LU NL SE
                   A 19920422 (199223)
     JP 04121190
                                                        C12N015-16
                                                  9p
                                                                         <--
                    A3 19920916 (199339)
     EP 475394
                                                                         <--
                    B1 19970611 (199728)
     EP 475394
                                           EΝ
                                                 38p
                                                        C12N015-12
         R: AT BE CH DE DK ES FR GB GR IT LI LU NL SE
     DE 69126487
                    E 19970717 (199734)
                                                        C12N015-12
                    T3 19971016 (199748)
     ES 2104639
                                                        C12N015-12
                      19991026 (199952)
     us 5973134
                                                        C07H017-00
                    B2 20000327 (200020)
                                                        C12N015-09
     JP 3026352
                                                 12p
     EP 475394 A EP 1991-115393 19910911; JP 04121190 A JP 1990-241074 19900911; EP 475394 A3 EP 1991-115393 19910911; EP 475394 B1 EP
ADT
     1991-115393 19910911; DE 69126487 E DE 1991-626487 19910911, EP 1991-115393 19910911; ES 2104639 T3 EP 1991-115393 19910911; US 5973134 A
     US 1991-757606 19910911; JP 3026352 B2 JP 1990-241074 19900911
     DE 69126487 E Based on EP 475394; ES 2104639 T3 Based on EP 475394; JP
FDT
     3026352 B2 Previous Publ. JP 04121190
PRAI JP 1990-241074
                       19900911
     ICM
          C07H017-00; C12N015-09; C12N015-12; C12N015-16
          A61K037-02; A61K038-16; C07K013-00; C07K014-00; C07K014-47;
          C07K014-58
     A61K037-24; A61P007-12; C07H021-04; C07K007-10; C12P021-02
TCA
     C07K099:00
ICI
L12
     ANSWER 300 OF 316 WPIDS COPYRIGHT 2003 THOMSON DERWENT ON STN
     1991-281423 [38]
                         WPIDS
ΑN
     1999-023446 [02];
                         1999-069733 [06]; 1999-069781 [06]
CR
DNC
     C1991-121975
                         ***peptide*** (s) of VWF GP1b binding domainctor GP1b
TI
     Non-glycosylated
     binding - inhibits platelet adhesion and aggregation for treatment of
     cerebrovascular and cardiovascular disorders.
DC
     B04 D16
IN
     GARFINKEL, L; RICHTER, T
PA
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            ***peptide*** (s) block leucocyte elastase and cathepsin G - used
TI
     to treat alpha-proteinase deficiency without damaging immune system.
DC
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     COLLINS, J; FINK, E; FRITZ, H; TAUBE, W
     (GBFB) GBF GES BIOTECH FORSCH; (BIOT-N) GES FUR BIOTECH FOR; (GBFB) GBF
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     Polypeptide comprising recombinant polypeptide - with defined
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     against tuberculosis.
     B04 D16 S03
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IN
     CONTENT, J; DEBRUYN, J; DEWIT, L; VANVOOREN, J P; DE BRUYN, J; DE WIT, L;
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     (INNO-N) INNOGENETICS NV SA; (BELO) BELOIT CORP
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      Pulmonary surfactant protein fragments - useful in conjunction with lipid
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DC
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ΤI
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      US 5447911 A CIP of US 1989-368616 19890620, Cont of US 1989-438365
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      Polypeptide(s) with insect diuretic factor activity - isolated from
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      KATAOKA, H; KRAMER, S J; MAEDA, S; ROTER, A H; SCHOOLEY, D A; TROETSCHLE,
      R G; HIROSHI, K; SUSUMU, M; TROETSCHLER, R G
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DNC

C1990-003207

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***peptide***
            sequence encoding porcine brain natriuretic
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            B04 D16
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            LEWICKI, J; PORTER, J G; SCARBOROUGH, R M; SEILHAMER, J J; SCARBOROUG, R
            M; SEILHAMER, J; LEWICKI, J A
            (CALD) CALIFORNIA BIOTECHNOLOGY INC; (SCIO-N) SCIOS NOVA INC; (CALD)
            CALIFORNIAN BIOTECHNOLOGY INC; (LEWI-I) LEWICKI J; (PORT-I) PORTER J G;
             (SCAR-I) SCARBOROUGH R M; (SEIL-I) SEILHAMER J J; (SCIO-N) SCIOS INC
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US 6586396

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WO 8912069 A WO 1989-US2373 19890531; EP 418308 A EP 1989-906935 19890531;

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DNC
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            Vasoactive intestinal
            bronchoconstriction, reducing blood pressure or inhibiting gastric acid
            secretion.
DC
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IN
            KAISER, E T; MUSSO, G F; VELICELEBI, G
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New natriuretic and vasodilator ***peptides***

obtd. using cDNA

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WO 8806598 A WO 1988-US605 19880226; US 4835252 A US 1987-19148 19870226;
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     C1987-131306
DNC
     New DNA fragment of Varicella zoster virus - and new immunogenic
TI
     polypeptide expression product, useful in vaccines against chicken-pox.
DC
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     DAVISON, A J; ELLIS, R W; KELLER, P M; LOWE, R S; RIEMEN, M W
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     (MERI) MERCK & CO INC
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     19870423; US 5306635 A Div ex US 1986-859159 19860502, Cont of US
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ΑN
DNC
     C1987-070984
     Recombinant DNA clone encoding laminin receptor - used in diagnostic
TΙ
     assays for cancer cells and for producing ***peptide*** (s) to inhibit
     cancer metastases.
DC
     B04 D16
     DROHAN, W N; JAYE, M C; LIOTTA, L A; SOBEL, M E; WEWER, U M
(RORE) RORER INT HOLDINGS INC; (USDC) US DEPT OF COMMERCE; (USSH) US DEPT
HEALTH & HUMAN SERVICE; (USDC) US SEC OF COMMERCE; (RHON) RHONE POULENC
IN
PA
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JP 02500637 W JP 1987-506395 19870923; CA 1305678 C CA 1987-548000
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C07K007-06; C07K007-08; C12N001-19; C12N001-21; C12P021-02
      ICM
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      C07K099:00; C12N001-21, C12R001:19
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      1986-264937 [40]
                            WPIDS
ΑN
DNC
      C1986-114693
ΤI
      Mammal intestinal hormone precursor which is variant of secretin - more
      potent than secretin and useful for determining pancreatic and
      gall-bladder functions and in treatment of gastrointestinal disorders.
      B04
DC
IN
      CARLQUIST, M; MUTT, V
      (GAFV-I) GAFVELIN G; (KABI) KABIGEN AB; (SKAN-N) SKANDIGEN AB
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ΡI
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AN
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DNN
      N1984-114304
                            DNC C1984-064794
      Prodn. of specific antibodies - useful in enzyme immunoassays for
        ***peptide***
                           hormones in body fluids.
      B04 D16 S03
DC
IN
      IWASA, S; KONDO, K; YOSHIDA, I
PA
      (TAKE) TAKEDA CHEM IND LTD
CYC
      EP 111216
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PΙ
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      EP 111216 A EP 1983-111727 19830126
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1983-32527K [14] WPIDS
1988-229081 [33]
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ΑN
CR
DNC
     C1983-031730
      DNA sequence for messenger RNA encoding poly
TI
                                                            ***peptide***
      highly efficient translation in prodn. of poly ***peptide***
DC
      B04 C03 D16
IN
     DE, BOER H A; HEYNEKER, H L; SEEBURG, P H; DEBOER, H A; HEYNERER, H L
PA
      (GETH) GENENTECH INC; (DBOE-I) DE BOÉR H Á; (HEYN-I) HÉYNEKER H Ĺ;
      (SEEB-I) SEEBURG P H
CYC
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ICA
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L12
      ANSWER 314 OF 316 WPIDS COPYRIGHT 2003 THOMSON DERWENT ON STN
ΑN
      1983-08056K [04]
                               WPIDS
DNC
      C1983-007975
      27-Des-amido-secretin prepd. by recombinant DNA techniques - useful as
      diagnostic agent for pancreatic function or drug for treating duodenal
      ulcers.
DC
      B04 D16
PA
       (WAKI-N) WAKINAGA YAKUHIN KK
CYC
PΙ
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AN
                               WPIDS
TI
      synthetic vaccine for virus infections - contg. synthetic
      virus antigen fragment on carrier, esp. synthetic influenza antigen on
      tetanus toxoid carrier.
DC
      B04 D16
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ΙN

PA

ARNON, R; MUELLER, G; SHAPIRA, M

(YEDA) YEDA RES & DEV CO LTD

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     1981-76091D [42]
ΑN
                           WPIDS
TI
     Hormone enzyme- immunoassay - using antibody recovered by absorption on
        ***peptide***
                          linked inert carrier and conjugated with stabilised
     beta-d-galactosidase.
DC
     B04 D16 S03
IN
     IWASA, S; KONDO, K; YOSHIDA, I
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